

SEQUENCE LISTING

<110> Dillon, Davin C.
 Day, Craig H.
 Jiang, Yuqiu
 Houghton, Raymond L.
 Mitcham, Jennifer
 Wang, TongTong
 McNeill, Patricia D.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
 DIAGNOSIS OF BREAST CANCER

<130> 210121.491D1

<140> US

<141> 2003-11-13

<160> 301

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<212> DNA

<213> Homo sapien

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gctcgagtga	tgacagcctt	gaaccttgct	cttccttgct	tcagagggga	aaaaggaatt	180
ggatttcctc	agggctctgg	gcctgggctg	tggcctgagg	ttccgagact	gatgaatcca	240
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<211> 276

<212> DNA

<213> Homo sapien

<400> 2

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ttttctcacc	taaattacgt	ttccacgaga	ttatttatat	atagttggct	tatctctgca	180
gtccttgaag	gtgaagttgt	gtgttactag	gctgtgtttt	gggatgtcag	cagtggcctg	240
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<220>
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 <223> n = A,T,C or G

<400> 3

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cactctgcca	aagactacta	naaaaatttg	atcattatta	aattcaatgt	tatttgacag	180
tgtgaactct	atgtaacagc	acaaattctg	gactttgaat	ctggctgctg	tcctcacctg	240
aaccattaaa	atgaccttgt	taacaaggaa	ggaatcaatg	gggaaatatc	acaaccagag	300
attggctgtg	tgtccaaggg	tgctttgtct	tgttgccagg	atcagactgt	gaaatcacag	360
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<210> 4
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 <212> DNA
 <213> Homo sapien

<400> 4

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ctccggggaa	gagctggatc	agaggtattc	caaggccaag	ccaatgtgta	acacatgtgg	180
gaaagtgttt	tcagaagcca	gcagtttgag	aaggcacatg	agaatacata	aaggagtcaa	240
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tgtaagaact	catacagggtg	agaagccata	caaagtgtgaa	ttgtgtgata	aaggatttgc	360
tcagaaatgt	cagctagtct	tccatagtgc	catgcatcat	ggtgaagaaa	aaccctataa	420
atgtgatgta	tgcaacttac	agtttgcaac	ttctagcaat	ctcaagattc	atgcaaggaa	480
gcatagtgga	gagaagccat	atgtctgtga	taggtgtgga	cagagatttg	ctcaagccag	540
cacactgacc	tatcatgtcc	gtaggcatac	tggagaaaag	ccttatgtat	gtgataacctg	600
tgggaaggca	tttgctgtct	ctagttctct	tatcactcat	tctcgaaaaac	atacaggtaa	660
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<210> 5
 <211> 580
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 5

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ttttcaagat	atgaagtcag	aacctgaatg	tagacatcgg	acagagaagt	cctcaaccac	180
aaacctgtcc	tccagctcta	gagagagtaa	ggctgtattt	ccaaccttga	gatttttcat	240
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atgctcccaa	aagccatcaa	gatattggaga	caacagattt	taaaaacata	aatctaatac	420
tatgggcttg	aaacagtatg	aacatttaac	agagtgcac	gatattcatta	ttatatattgt	480
ttgtcatgag	atgaaaggcc	tggaggcaga	tggtgattaa	tcataattcc	tgagcttcta	540
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<210> 6
 <211> 557
 <212> DNA
 <213> Homo sapien

<400> 6
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 gtaaaagtat tttgtttgct tctacataaa tttctattca tgagagaata acaaataatta 180
 aaatacagtg atagtttgca tttcttctat agaatgaaca tagacataac cctgaagcctt 240
 ttagtttaca gggagtttcc atgaagccac aaactaaact aattatcaaa cacattagtt 300
 atttcagac tcaaatagat acacattcaa ccaataaact gagaaagaag catttcatgt 360
 tctctttcat tttgctataa agcatttttt cttttgacta aatgcaaagt gagaaattgt 420
 attttttctc cttttaattg acctcagaag atgcactatc taattcatga gaaatacgaa 480
 atttcaggtg tttatcttct tccttacttt tgggggtctac aaccagcata tcttcatggc 540
 tgtgaaattc atggctg 557

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 <211> 653
 <212> DNA
 <213> Homo sapien

<400> 7
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 taagtgaggg agtgacgggt tatgtccagg gcaataatgt ttctgacaga ggggagagtc 180
 atttcagaag cctagaggca tgtgtaaagc tgttagaatg ccagacagtc accaggccaa 240
 gatgtgcaga tatccataag tgaaggggaa agaaatacaa aatgaaggca gagaaatcac 300
 aaaattggat aagtgggtgcc ttgtaggcca tgatgatttt agttcatact aaaattgagt 360
 taggctgcc a ttgtagggtt tgtgagctca gggataacat ggtctgaatt ttattttctaa 420
 aaggatcact ccaagtgtta cattgcaaag aataacgtaa ggtggctggt gtagtagact 480
 aaagtggaat atagtaacag tgaaatacat tttgtggtaa agcttggttag atttgaccac 540
 acaaaattgt gaaattacct gtggcacaaa aaatatcaaa ggtacatata gacagaagaa 600
 ccttgcgatt gtttattaat gtccttaatt tataatgtta ataccagtag aag 653

<210> 8
 <211> 456
 <212> DNA
 <213> Homo sapien

<400> 8
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 caacatgcat ccgcccggag ctgccgaaaa tgctgaagga gtttgccaaa gccgccattc 180
 gggcgcagcc gcaggacctc atccagtggtg gggccgatta ttttgaggcc ctgtcccgtg 240
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 taacacctga gctgttaaag atcctgcatt ctcaggttgc tggcagactg atcatccgtg 360
 cagaggagct ggcccagatg tggaaagtgg tgaatctccc aacagatctg ttttaatagt 420
 tgatgaatgt gggtcgcttc acggaggaga tgcagt 456

<210> 9
 <211> 512
 <212> DNA

<213> Homo sapien

<400> 9

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attgttttttc	caatatcaaa	caagtcaaatt	ttggaaaagg	cataaatctg	tatgaacatc	180
ctgtatccat	ggagatgtca	tgactaaatt	cagaaatagc	ctcatctctc	tttgtttttg	240
ctttcttatg	tctgagttct	gcatccaatt	ctgtttatta	catagttttc	tataagattg	300
tacccctttt	aaacagtgtc	tattgatata	tattctaggt	gtctggaagt	ctttttctat	360
agtcggctct	tggttgtctc	tgggaatatg	aatggaagga	gcagagtga	aataaatctg	420
agggcaatat	tcataaataa	tccaagagct	acactgtagt	caactctccc	cagagcctga	480
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<210> 10

<211> 308

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 10

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gacatgcttg	gtcttaagca	tcatagcaaa	ctcattatct	ccaatgaaac	aaggattttt	180
agacccatct	ttggaaatga	ttcccaaatt	aganaaccat	caggtctcaa	aaaaggaagg	240
gtcatcaaag	tccatccagc	ccagccaccc	tgaggngcct	gtatctcttc	aacaagccca	300
acacaatg						308

<210> 11

<211> 510

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(510)

<223> n = A,T,C or G

<400> 11

attatatgaa	tattttaatg	caaaatgctt	aacacttaaa	attagcaaag	cgtcatttaa	60
attaaaattc	catttaacta	aagatgggta	accccaanaa	attgtacagt	agttgatttc	120
tgctatataa	tgccagtcct	atgccataca	ataagaactg	caacattagc	tgctacttcc	180
tccattgctc	ttctggaccc	taagggatga	gggaggggac	tcagacacaa	aacacaaccc	240
aaataaactg	tgcatgtatt	cctaatagtt	ataaacccaa	tctaagttgt	ccaaacagct	300
gaagaataac	tgcatgtatt	gttccanagc	tgatacgagg	ttttgtcttt	acagcctggg	360
aaaagttctg	cactaggatg	gaagtcacag	tttaaggatg	catgttctgt	aaatagttac	420
tacatatata	catttactgt	ctgtaaacac	tagaaatata	cattagacag	agtaccctca	480
caagttgggt	acagtttaaa	aaagaagatg				510

<210> 12

<211> 611

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

<400> 12

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aatccccttt	gcaatataac	ttatatgact	atcttctcaa	aaacgtgaca	ttcgattata	120
acacataaac	tacatttata	gttggttaagt	caccttgtag	tataaatatg	ttttcatctt	180
ttttttgtaa	taaggnacat	accaataaca	atgaacaatg	gacaacaaat	cttattttgt	240
tattcttcca	atgtaaaatt	catctctggc	caaaacaaaa	ttaaccaaag	aaaagtaaaa	300
caattgtccc	tctgttcaac	aatacagtc	tttttaatta	tttgagagtt	tatctgacag	360
agacacagca	ttaaactgaa	agcaccatgg	cataaagtct	agtaacatta	tcctcaaaaag	420
ctttttccaa	tgtctttcct	tcaactgttt	attcagtatt	tggccagtac	aaataaagat	480
tggctcgaac	tctctctttc	attagttctca	agtgttccta	ttatgcaactg	agttttcaga	540
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<210> 13
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

<400> 13

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anaacaatca	tgactatgta	attaactgta	naaataactg	ctaanaaaat	atagcaatat	120
ttaacacagg	atttctaaaa	ccattatatt	ttcattactt	ttcccaaagc	taatgtccca	180
tgttttattt	tatanacttt	gtttatcaag	atttatatgc	atttggcacc	tttttgggct	240
gaaaatagtt	gatgtactct	gtacagtaat	gttacagttt	tatacaaaat	tcanaaatat	300
tgcatttgga	atagtcttta	tggctctctt	ccaagtattc	agtttcacac	aacagcaaac	360
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<210> 14
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 14

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agagaggcca	atgtatataa	ataagagttt	atacagaaac	tgccaattca	caaaacagca	120
ctgcatgggt	tctatattgc	aagcacaaga	catggtcaca	tggttccact	gtacaggtag	180

aaacaagccc	acagacaata	catagagtag	cacctgaaac	gaggcccttg	gagctgctca	240
gcttcttana	aaataganaa	ctttcaatgg	tcataatata	ttttgattca	aaatgtcttc	300
taaaatgttt	tcattgtggg	agaaaattaa	gaaggggcaa	aatccatct	atggaacttc	360
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<210> 15
 <211> 537
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 15						
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ctttctctct	agctcgctt	ggaaaaat	ttttcataac	acaaacaagg	gtgcaaatat	180
tgtccaaacc	tatttacatt	ttaccctct	agaattacat	acattaatat	ttattgggag	240
gaaagcaaaa	ctgcaaaaaca	tagtctttgg	cattcacatt	tgcttcagca	gtataattaa	300
aaccttatat	ttgtttttaa	gataaacagt	ttgaaggaaa	tttaataaat	cttgttttgg	360
ctctgcaaag	gagccactat	atcaaagcat	ttaactggag	ctgttgagtt	cctgctggta	420
gaatattact	tccagcctat	ttattagctt	gtcttcgggn	ggccaatac	atgctttttt	480
ccctctacac	tgaatgaaag	tacaaaaaga	aaaccatttc	ttttcccaa	cacaatg	537

<210> 16
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 <212> DNA
 <213> Homo sapien

<220>
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 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 16						
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gagaataactg	ccaggctttt	cctaactctt	ttggtctttg	gaagtgggca	gggtttctca	180
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aaagaccatg	gcttcagcac	ttccattttg	gaaagaagta	acaaaaaagt	gaattaatga	300
gcaatcggaa	agactcaaag	cattttgtac	tccacagttc	atttcttcac	acaaacgtcc	360
attactgcag	cgggcatgaa	aaccggcagg	gtgttaggct	catggcctga	agagaagtca	420
catcaccagc	cgatgttttc	atgcaaaagg	caatcgatg	gattcanaac	ctggttctga	480
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cacaatg						547

<210> 17
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 17

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aagacacttt	tagccaatga	agttttcaaa	agaagaaagc	ctctgttggt	cgcttttttg	180
atatgcactg	aacttctgaa	atatcttttc	ccaaaagtcc	acaaattcct	tttccaaatc	240
ttttaaagac	tgtgaatctt	tttcaaaatt	ctccagctcc	tctatgataa	tgaattggaa	300
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<210> 18

<211> 279

<212> DNA

<213> Homo sapien

<400> 18

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gtctcgttcc	tggtgggctg	aaccctaagg	tgagtgtgca	gtacagtgtg	tgtgggtgaa	180
atggagattt	ggaattgaac	tctctgcctg	taaatgttcc	ccaaataatt	gttgtgtgta	240
tgatacgtgt	ataataaaaag	tattcttgtt	agaatctga			279

<210> 19

<211> 239

<212> DNA

<213> Homo sapien

<400> 19

ctgccagcgt	ttttgtgtgg	ctgcagtgtg	cctgggcca	gctcacgggc	agtgggtgga	60
cctaactgcc	caggcaggcg	agagctactt	ccagagcctt	ccagtgcatt	ggagggcagg	120
gctaggtgta	gcggtgtctc	ctctttgaaa	ttaagaacta	tctttcttgt	agcaaagctg	180
cacctgatga	tgctgcctct	cctctctgtg	ttgtctgggc	ccttgtttac	aagcacgcg	239

<210> 20

<211> 527

<212> DNA

<213> Homo sapien

<400> 20

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atccagccac	tgagagaagc	gtgtgtggga	ccactctgcc	ctctggaaag	gagatttcag	180
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cagcatccga	taggactttc	ctaaatcaga	tactcgtcta	cagaatgaac	ccacagccaa	360
ctccatctgt	gcaaaatcag	cagcaagtgc	cattttccca	ccttcaccaa	gaggtcttat	420
gagactggca	tggcggataa	aaagttcaac	agctctttgg	gcaataacct	cagtgttgtc	480
aaagacaaaa	tccaagcatt	caaagtgttt	aaaatagtca	ctcataa		527

<210> 21

<211> 399

<212> DNA

<213> Homo sapien

<400> 21

ctgcaatggg	tgcaagtgtc	atttccacct	agctctgact	ctccacttct	aaccagacaa	60
acagccaacc	aaccaatcaa	catgtattta	ataaccacct	atgggggtgca	aagcacaaaa	120

gggcactcat	cttgaaaagg	aaagaccaag	aatgtgctag	agtaaagaga	cagagaccag	180
accctactct	caagatcaag	agacttcagt	ctcggagaca	tctgccattt	ctctcttctt	240
aataaacctc	atttgccttt	aaaaatacat	ttgctttggg	ggcccagaat	caagaaagga	300
aactttacaa	agtaaacaga	agttactccc	cacagggagg	cagaagcaga	ttaaccccaa	360
cagcagacat	ctgcccggaa	gagcaaaactc	cacatctgg			399

<210> 22

<211> 532

<212> DNA

<213> Homo sapien

<400> 22

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attgatgata	caaagagagc	tggaatgaaa	gagctaaaac	gtcatcctct	cttcagtgat	120
gtggactggg	aaaatctgca	gcatcagact	atgcctttca	tccccagcc	agatgatgaa	180
acagatacct	cctattttga	agccaggaat	actgctcagc	acctgaccgt	atctggattt	240
agtctgtagc	acaaaaattt	tccttttagt	ctagcctcgt	gttatagaat	gaacttgcac	300
aattatatac	tccttaatac	tagattgatc	taagggggaa	agatcattat	ttaacctagt	360
tcaatgtgct	tttaatgtac	gttacagctt	tcacagagtt	aaaaggctga	aaggaatata	420
gtcagtaatt	tatcttaacc	tcaaaaactgt	atataaatct	tcaaagcttt	tttcatctat	480
ttattttggt	tattgcactt	tatgaaaact	gaagcatcaa	taaaattaga	gg	532

<210> 23

<211> 215

<212> DNA

<213> Homo sapien

<400> 23

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taataccatc	gacgtccctc	cagaagagga	gtgtgaattt	tagacacttc	tgcagggatc	120
tgcctgcac	ctgacacggg	gccgtcccca	gcacgggtgat	tagtcccaga	gctcggctgc	180
cacctccacc	ggacacctca	gacacgcttc	tgacag			215

<210> 24

<211> 215

<212> DNA

<213> Homo sapien

<400> 24

cctgaggctc	caggctaaga	agtagccaag	tttcacctgg	agagaagagt	agagggactt	60
cccaaatttc	ttcctgaact	cagctctgat	actcagaagg	tcagtctcac	atcgagagat	120
aaggatgcga	atcaggactt	ggtaattggg	ctcagtttcc	tagtagggga	agaaagagat	180
ggggggtagt	tagtgagagt	ctcactgaga	gtagg			215

<210> 25

<211> 530

<212> DNA

<213> Homo sapien

<400> 25

ttttttttct	agtaagacta	gattttattca	ataccctagt	aaaagttttg	attataagta	60
tccaacagta	taaaaagtac	aaaacagatc	tgtagatttc	taatataatta	atacaaagtg	120
catgactaca	tacagtacat	cctacaggca	aagagaggtg	gaaggggaaa	aagaagactg	180
tggttgaggt	ctagtaataa	ataaataaat	acagaagtag	agatgatcca	tattatagta	240

tattctacca	ccaatactgc	agccaaaatg	tacaaaaaaa	atcatttcaa	ataactcagg	300
aggatgataa	tggctggact	tttgtaattc	acctcaaaga	ctgtgggaga	gccaactcaa	360
ctcactgtat	agtctgtgca	tatggtggct	tgtagcatgt	aggttttttc	caaaagaagg	420
aaatataaaa	tgttttagatt	aagaactata	aaactacagg	gtgcctataa	aagggtggctt	480
actccttatt	gttattatac	tatccaattt	ttaaaatgca	gtttaaaaaa		530

<210> 26
 <211> 366
 <212> DNA
 <213> Homo sapien

<400> 26						
ccagcagttc	tcggaacctcc	tctggggggca	gggagaggcc	attgggtcag	gggctggacc	60
caggaggagt	tggaatgggt	gaaagatggg	gagcaagttt	ttaggggtaca	gggtgggcct	120
aagatgggtc	agtagacaga	tgggagcaca	gagcagggca	gggggtgagg	tcaagtgagg	180
gccacaggat	gtgctgaggg	ctcccaggga	gccctaccca	ggctcacgtc	ctcctgggtca	240
ccacctgtac	tgtctggggg	ccacagggtg	tgggcgttgc	cagggagcac	tgggagggcc	300
tcggtagggt	ccacctgtag	ggagaggatg	tcaggaccac	tagcctctgg	gcaagggcag	360
aggagg						366

<210> 27
 <211> 331
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(331)
 <223> n = A,T,C or G

<400> 27						
ccaaactcag	agatggtacc	agccaggggc	aagcatgacc	agagccaggg	accctgtggc	60
tctgatcccc	catttatcca	ccccatgtgc	ctcaggacta	gagtgagcaa	tcatacctta	120
taaatgactt	ttgtgccttt	ctgctccagt	ctcaaaattt	cctacacctg	ccagttcttt	180
acatttttcc	aaggaagga	aaacggaagc	agggttcttg	cctggtagct	ccaggacca	240
nctctgcagg	cacccaaaga	ccctctgtgt	ccagcctctt	ccttgagtgc	tcggaacctc	300
ctccctaatt	ctcccttctt	tccccacaag	g			331

<210> 28
 <211> 530
 <212> DNA
 <213> Homo sapien

<400> 28						
ccatgaatgc	ccaacaagat	aatattctat	accagactgt	tacaggattg	aagaaagatt	60
tgtcaggagt	tcagaagggt	cctgcactcc	tagaaaaatca	agtggaggaa	aggacttgtt	120
ctgattcaga	agatattgga	agctctgagt	gctctgacac	agattctgaa	gagcagggag	180
accatgcccg	ccccaaagaa	cacaccacgg	accctgacat	tgataaaaaa	gaaagaaaaa	240
agatggtcaa	ggaagcccag	agagagaaaa	gaaaaaacia	aattcctaaa	catgtgaaaa	300
aaagaaagga	gaagacagcc	aagacgaaaa	aaggcaataa	gaatgagaac	catattatgt	360
acagtcattt	tcctcagttc	cttttctcgc	ctgaactctt	aagctgcac	tggaagatgg	420
cttattgggt	ttaaccagat	tgtcatcgtg	gcactgtctg	tgaagacgga	ttcaaagtgt	480
ttcatgtaac	tatgtaaaaa	gctctaagct	ctagagtcta	gatccagtca		530

<210> 29
 <211> 571
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(571)
 <223> n = A,T,C or G

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<400> 29
ccataatatt ctgatgatca aggagcacac atatacaaaa gttattggat tactgcaatt      60
ctcagaggca caaaacctga catgggtgtga tatagtatat aatcagtcac gggggggaaa      120
agaacattaa gtctttaaaa aggccttagga agacataaac agtaaatctt tgtttttcta      180
ccttcctttg gacagtgtta tatttcactt tcttctttgc aaaatgtttc caaattcatt      240
tgctcaggat ttatttaaga taataactta aaacaactaa cagttgttta tgctatatgc      300
atatcatgca tgttctactg gttcaaggac aaaattaaaa caagatcttc tctgtaaagc      360
aaatatattt attatgcact ttcatataca cagggatttt ttgagtacca angggataaa      420
ataaaacttt tacaatgtga aattcaatgt acatttttgg ctattttacat acctcaaacc      480
aagggaaaaa taaaaagaaa gcattttgttt gcaactacat ttgctgagaa gtgtaaatgg      540
aggacattaa gcaaaacaaa tatttgcata g                                     571

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<210> 30
 <211> 917
 <212> DNA
 <213> Homo sapien

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<400> 30
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tcatttcaaa atcacttcac ataatggtgt catcatttaa acacttaaca gtcagtgcaa      120
ctgccactgt aacatctagt tggacaaaac cacaaggagg gggaggagaa aatgccatca      180
ctattatggt aacaacattt taattttaat ggttgctgca ctagtaaatt tctgcagaaa      240
acagttttac ccgccccctt tcacagttcc aaattaatca aggatgcttt tctataatct      300
gatgcttagc aaattagctc atgattcaaa ttttgccctc ttgaagcaca tatacctttt      360
attttaaaag tccattatag agaattttgga atatataagg tatttgaatt gcagaacacc      420
cctctaattc tgtaaatata gcaaagacaa aacagtatca tatacatcaa gatcatactt      480
ttaaagtaag tttaaagggtc tcaattgccc agatattaaa tttatatatt ccttctatta      540
aaaaatatta catttcaatt ttgtaatat gtaacatatt ttaagatgac cagcaagacc      600
tagtcaattt gaaaataccc ttgcattcca tacacaagct ataccataag taataaccca      660
agtatatgat gtgtaaaagt tgggtgaagg cataatactg aatttttttg caaatgtaaa      720
ctgctttcca agtaatcagc accatttttt actagactac attttaatca cttccttagc      780
tgcttacaac ctctacttag gcataaataa aagaatctga aattgggtata tttccccttc      840
ctgctgtgtt aaccaaaaat actattttgac ttaaagatca aagagtcttt ttccctgaagg      900
tttttgtttt taaatgt                                     917

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<210> 31
 <211> 367
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(367)
 <223> n = A,T,C or G

<400> 31

tcttttcttt	ctgtatttcc	caaattacag	ggagctatgc	ccttggtatt	gcacacagta	60
cactgcaaaa	gattcacaag	gttagttgaa	agtcattttt	gccctgggtga	ttcaaagctc	120
aaanaatttt	ctagcataaa	gtcttattaa	aaattttta	caaaatatta	tttgagttaa	180
agtttaataa	aacaatacca	ctatatatac	tctcaacaac	ttcattatat	aatcagtcct	240
atgaggttgt	acttgctttt	catatcacac	tgattaagga	caaaaataat	tttgatgtac	300
atgtaccata	cactgatatg	caatctacac	actgatgcat	ttacatacat	acaaccccaa	360
cacaatg						367

<210> 32

<211> 847

<212> DNA

<213> Homo sapien

<400> 32

cattgtgttg	ggctggcagg	atagaagcag	cggctcactt	ggactttttc	accagggaaa	60
tcagagacaa	tgatggggct	cttccccaga	actacagggg	ctctggccat	cttcgtggta	120
agtcctggat	tttcctaata	atcacaaact	tccctgcttc	ctcccttggt	aaagaatatt	180
atatttgatt	gcacaatctt	tattataaat	tctaaaagga	gtgcagtgga	aatcaacact	240
ttgaaatgaa	atcgtgaaga	ttaccaattt	ccttcttttg	ttgtttttta	tgttgtattt	300
tacatagaaa	aataaaccag	aaagaaatga	gttttaaaaa	ccatttagaa	tttttttttag	360
ttaatgaatt	aagtaatctt	aatcacaggt	tatattttcc	acaacatttt	cacttttctt	420
aaagttatgc	ttttactagt	ttttctaacc	cacaaacaag	aacacaggag	ccacttctat	480
tttccaagat	tacatgtctc	ttagcatata	gctaagaact	ctacacgcct	gggcttgata	540
cctgacacgc	ttttaaaagt	aaaaaatcgc	agaattaaaa	tcaaagcagt	gtttgactct	600
agagaagttg	ggaggattat	taagtaagta	tttatgttta	gctattatgt	gccaaaagaa	660
aatgtcagcc	tttggggatg	gggggaaaga	catacaacat	tttaaagcca	tttttttcag	720
aaaagtaata	cttctgttga	ttgagaaagt	cgtacatagt	attatctaaa	agagaaaagg	780
aatgttacag	actgtttaaa	acctggatgt	tacagactaa	cttactcctt	aactgtgttc	840
ttatagc						847

<210> 33

<211> 863

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(863)

<223> n = A,T,C or G

<400> 33

cattgtgttg	ggcttttatt	tgagtttatg	aacagaaaata	gaaagtatgg	tgcttggggt	60
ttgccctttc	ttactctga	aagttaaatc	agaagacact	gatttcattt	tgtgaaattt	120
agctcagaga	ctattgatct	tttgtttcat	taatatgaac	aactattagt	aaaaaatagc	180
tttaacagca	tttctgctga	tatctagtaa	tctattcttt	taatgtgaaa	ataagataaa	240
atgtcctgga	gctaattcta	gcttaaat	gccagtattt	ctgtatgtca	ttaagttttt	300
ttcctctaag	gttggtaata	naattttgtt	aatcctttgca	tacctgatgg	catctatgtc	360
aatgctgatt	gggttaattat	aaattctgtg	ctaattttaa	acttaatttg	cctcttaagg	420
tgattgtcct	ctgagtaatg	attgtagtta	aatgaagtat	agcttgcaac	tatactatca	480
catgggtcgt	taagtaaaaa	ttaaataaacc	aaatttgtct	gagacaggct	aagatcaatc	540
ttctcatcaa	accaattttt	ctntaagagc	aattttcactt	tcagtttttag	ggtggacatt	600
nttgaatgcc	tcaaattaaa	cgttatctat	ttaatcttcc	tggaatagtc	tgtgaccaa	660

aaggaggggtg	tgatatat	aggtgtaaat	atatcacata	tatgggtgtga	tatat	720
atttatatat	tcagctcatt	ctctgtgaag	aagtccttcct	gactaaaatt	ggtttcaaga	780
taaactaatt	tctgttagta	tttctactct	gcctaccatg	tatgcctttt	tgtagaaac	840
taataaatgt	atcagtcnct	agc				863

<210> 34

<211> 432

<212> DNA

<213> Homo sapien

<400> 34

agtgcatttc	ctcttgattt	gtctgggtta	aaaccattcc	ttttgtatga	aatgttttga	60
cttaggaatc	attttatgta	cttgttctac	ctggattgtc	aacaactgaa	agtacatatt	120
tcacccaaat	caagctaaaa	tgtatttaag	ttgattctga	gagtacaggt	cagtaagcct	180
cattatttgg	aatttgagag	aaggtatagg	tgatcggatc	tgtttcattt	ataaaaggtc	240
cagtttttag	gactagtaca	ttcctgttat	tttctgggtt	ttatcatttt	gcctaaaata	300
ggatataaaa	gggacaaaaa	ataagtagac	tggttttatg	tgtgaattat	atttctacta	360
aatgtttttg	ttgactgtg	ttatacttga	taatatatat	atatatatat	atatatatca	420
acttgttaaa	tt					432

<210> 35

<211> 350

<212> DNA

<213> Homo sapien

<400> 35

ccagaggggt	gtttatctta	gggttggaat	gtttctgatt	atgctgacaa	tagccattag	60
gctgatgttt	tggggctgga	tttaggcagt	ttttaaataa	aagagaactt	aaaatgggtg	120
tgtttgtcca	agatgggtgat	gttcctgctg	tcaattagca	taaacaaaag	agaattctga	180
tacctgttg	gaatgtcttc	attcctctga	gcttctccac	tcacaggata	aatgcaggag	240
tggttcccc	tcattggacac	ctgcaaatgc	agagtgtggg	ggctctcctg	gcctgcac	300
actagcaaga	gcaaaagctg	ctccgagtct	tgtttttaga	acctggtcga		350

<210> 36

<211> 1082

<212> DNA

<213> Homo sapien

<400> 36

atgaactaca	gcctccactt	ggccttcgtg	tgtctgagtc	tcttcactga	gaggatgtgc	60
atccagggga	gtcagttcaa	cgctgagggtc	ggcagaagtg	acaagctttc	cctgcctggc	120
tttgagaacc	tcacagcagg	atataacaaa	tttctcaggc	ccaattttgg	tgagaaacc	180
gtacagatag	cgctgactct	ggacattgca	agtatctcta	gcatttcaga	gagtaacatg	240
gactacacag	ccaccatata	cctccgacag	cgctggatgg	accagcggct	ggtgtttgaa	300
ggcaacaaga	gcttcactct	ggatgcccgc	ctcgtggagt	tcctctgggt	gccagatact	360
tacattgtgg	agtccaagaa	gtccttcttc	catgaagtca	ctgtgggaaa	caggctcatc	420
cgctcttct	ccaatggcac	ggcctgtgat	gccctcagaa	tcacgacaac	tggtgcatgt	480
aacatggatc	tgtctaaata	ccccatggac	acacagacat	gcaagttgca	gctggaaagc	540
tggggctatg	atggaaatga	tgtggagttc	acctggctga	gagggaaacga	ctctgtgcgt	600
ggactggaac	acctgcggct	tgctcagtac	accatagagc	ggtatttcac	cttagtcacc	660
agatcgacgc	aggagacagg	aaattacact	agattggctc	tacagtttga	gcttcggagg	720
aatgttctgt	atttcatttt	ggatctctct	cgattcagtc	cctgcaagaa	cctgcattgg	780
ggacaacaaa	ggaagtagaa	gaagtcagta	ttactaatat	catcaacagc	tccatctcca	840
gctttaaacg	gaagatcagc	tttgccagca	ttgaaatttc	cagcgacaac	gttgactaca	900

gtgacttgac	aatgaaaacc	agcgacaagt	taaagtttgt	cttccgagaa	aagatgggca	960
ggattgttga	ttatttcaca	attcaaaacc	ccagtaatgt	tgatcactat	tccaaactac	1020
tgtttccttt	gatttttatg	ctagccaatg	tattttactg	ggcatactac	atgtattttt	1080
ga						1082

<210> 37

<211> 1135

<212> DNA

<213> Homo sapien

<400> 37

atgaactaca	gcctccactt	ggccttcgtg	tgtctgagtc	tcttcactga	gaggatgtgc	60
atccagggga	gtcagttcaa	cgtcgaggtc	ggcagaagtg	acaagctttc	cctgcctggc	120
tttgagaacc	tcacagcagg	atataacaaa	tttctcaggc	ccaattttgg	tggagaaccc	180
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tacattgtgg	agtccaagaa	gtccttcctc	catgaagtca	ctgtgggaaa	caggctcatc	420
cgctctctct	ccaatggcac	ggtcctgtat	gccctcagaa	tcacgacaac	tgttgcatgt	480
aacatggatc	tgtctaaata	ccccatggac	acacagacat	gcaagttgca	gctggaaagc	540
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ggactggaac	acctgcggct	tgtcagtagc	accatagagc	ggtatttcac	cttagtcacc	660
agatcgacgc	aggagacagg	aaattacact	agattggctc	tacagtttga	gcttcggagg	720
aatgttctgt	atttcatttt	ggaaacctac	gttccttcca	ctttcctggg	ggtgttgtcc	780
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gacaatgaaa	accagcgaca	agttaaagtt	tgtcttccga	gaaaagatgg	gcaggattgt	1020
tgattatttc	acaattcaaa	accccagtaa	tgttgatcac	tattccaaac	tactgtttcc	1080
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<210> 38

<211> 1323

<212> DNA

<213> Homo sapien

<400> 38

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tttgagaacc	tcacagcagg	atataacaaa	tttctcaggc	ccaattttgg	tggagaaccc	180
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gactacacag	ccaccatata	cctccgacag	cgctggatgg	accagcggct	ggtgtttgaa	300
ggcaacaaga	gcttcactct	ggatgcccg	ctcgtggagt	tcctctgggt	gccagatact	360
tacattgtgg	agtccaagaa	gtccttcctc	catgaagtca	ctgtgggaaa	caggctcatc	420
cgctctctct	ccaatggcac	ggtcctgtat	gccctcagaa	tcacgacaac	tgttgcatgt	480
aacatggatc	tgtctaaata	ccccatggac	acacagacat	gcaagttgca	gctggaaagc	540
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agatcgacgc	aggagacagg	aaattacact	agattggctc	tacagtttga	gcttcggagg	720
aatgttctgt	atttcatttt	ggaaacctac	gttccttcca	ctttcctggg	ggtgttgtcc	780
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tgttctcatc	aggccatcga	tgtgtacctg	gggatctgct	ttagctttgt	gtttggggcc	960
ttgctagaat	atgcagttgc	tcactacagt	tccttacagc	agatggcagc	caaagatagg	1020

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gggacaacaa aggaagtaga agaagtcagt attactaata tcatcaacag ctccatctcc 1080
agctttaaac ggaagatcag ctttgccagc attgaaattt ccagcgacaa cgttgactac 1140
agtgacttga caatgaaaac cagcgacaag ttcaagtttg tcttccgaga aaagatgggc 1200
aggattgttg attatttcac aattcaaaac cccagtaatg ttgatcacta ttccaaacta 1260
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tga 1323

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<210> 39
<211> 440
<212> PRT
<213> Homo sapien

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<400> 39
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1      5      10      15
Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
20     25     30
Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
35     40     45
Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
50     55     60
Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
65     70     75     80
Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
85     90     95
Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
100    105    110
Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
115    120    125
Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
130    135    140
Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
145    150    155    160
Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
165    170    175
Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
180    185    190
Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
195    200    205
Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
210    215    220
Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
225    230    235    240
Asn Val Leu Tyr Phe Ile Leu Glu Thr Tyr Val Pro Ser Thr Phe Leu
245    250    255
Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
260    265    270
Ala Arg Thr Cys Ile Gly Val Thr Thr Val Leu Ser Met Thr Thr Leu
275    280    285
Met Ile Gly Ser Arg Thr Ser Leu Pro Asn Thr Asn Cys Phe Ile Lys
290    295    300
Ala Ile Asp Val Tyr Leu Gly Ile Cys Phe Ser Phe Val Phe Gly Ala
305    310    315    320
Leu Leu Glu Tyr Ala Val Ala His Tyr Ser Ser Leu Gln Gln Met Ala

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				325					330					335			
Ala	Lys	Asp	Arg	Gly	Thr	Thr	Lys	Glu	Val	Glu	Glu	Val	Ser	Ile	Thr		
				340					345					350			
Asn	Ile	Ile	Asn	Ser	Ser	Ile	Ser	Ser	Phe	Lys	Arg	Lys	Ile	Ser	Phe		
				355				360					365				
Ala	Ser	Ile	Glu	Ile	Ser	Ser	Asp	Asn	Val	Asp	Tyr	Ser	Asp	Leu	Thr		
				370			375				380						
Met	Lys	Thr	Ser	Asp	Lys	Phe	Lys	Phe	Val	Phe	Arg	Glu	Lys	Met	Gly		
385					390					395					400		
Arg	Ile	Val	Asp	Tyr	Phe	Thr	Ile	Gln	Asn	Pro	Ser	Asn	Val	Asp	His		
				405				410						415			
Tyr	Ser	Lys	Leu	Leu	Phe	Pro	Leu	Ile	Phe	Met	Leu	Ala	Asn	Val	Phe		
			420				425						430				
Tyr	Trp	Ala	Tyr	Tyr	Met	Tyr	Phe										
		435					440										

<210> 40

<211> 289

<212> PRT

<213> Homo sapien

<400> 40

Met	Asn	Tyr	Ser	Leu	His	Leu	Ala	Phe	Val	Cys	Leu	Ser	Leu	Phe	Thr		
1				5				10					15				
Glu	Arg	Met	Cys	Ile	Gln	Gly	Ser	Gln	Phe	Asn	Val	Glu	Val	Gly	Arg		
			20				25					30					
Ser	Asp	Lys	Leu	Ser	Leu	Pro	Gly	Phe	Glu	Asn	Leu	Thr	Ala	Gly	Tyr		
		35				40					45						
Asn	Lys	Phe	Leu	Arg	Pro	Asn	Phe	Gly	Gly	Glu	Pro	Val	Gln	Ile	Ala		
50				55				60									
Leu	Thr	Leu	Asp	Ile	Ala	Ser	Ile	Ser	Ser	Ile	Ser	Glu	Ser	Asn	Met		
65				70				75						80			
Asp	Tyr	Thr	Ala	Thr	Ile	Tyr	Leu	Arg	Gln	Arg	Trp	Met	Asp	Gln	Arg		
			85					90						95			
Leu	Val	Phe	Glu	Gly	Asn	Lys	Ser	Phe	Thr	Leu	Asp	Ala	Arg	Leu	Val		
			100				105						110				
Glu	Phe	Leu	Trp	Val	Pro	Asp	Thr	Tyr	Ile	Val	Glu	Ser	Lys	Lys	Ser		
		115				120					125						
Phe	Leu	His	Glu	Val	Thr	Val	Gly	Asn	Arg	Leu	Ile	Arg	Leu	Phe	Ser		
	130				135				140								
Asn	Gly	Thr	Val	Leu	Tyr	Ala	Leu	Arg	Ile	Thr	Thr	Thr	Val	Ala	Cys		
145				150				155						160			
Asn	Met	Asp	Leu	Ser	Lys	Tyr	Pro	Met	Asp	Thr	Gln	Thr	Cys	Lys	Leu		
			165				170						175				
Gln	Leu	Glu	Ser	Trp	Gly	Tyr	Asp	Gly	Asn	Asp	Val	Glu	Phe	Thr	Trp		
		180			185						190						
Leu	Arg	Gly	Asn	Asp	Ser	Val	Arg	Gly	Leu	Glu	His	Leu	Arg	Leu	Ala		
	195				200						205						
Gln	Tyr	Thr	Ile	Glu	Arg	Tyr	Phe	Thr	Leu	Val	Thr	Arg	Ser	Gln	Gln		
	210				215						220						
Glu	Thr	Gly	Asn	Tyr	Thr	Arg	Leu	Val	Leu	Gln	Phe	Glu	Leu	Arg	Arg		
225				230				235						240			
Asn	Val	Leu	Tyr	Phe	Ile	Leu	Glu	Thr	Tyr	Val	Pro	Ser	Thr	Phe	Leu		
			245					250						255			

Val Val Leu Ser Trp Val Ser Phe Trp Ile Ser Leu Asp Ser Val Pro
 260 265 270
 Ala Arg Thr Arg Ile Gly Asp Asn Lys Gly Ser Arg Arg Ser Gln Tyr
 275 280 285
 Tyr

<210> 41
 <211> 265
 <212> PRT
 <213> Homo sapien

<400> 41
 Met Asn Tyr Ser Leu His Leu Ala Phe Val Cys Leu Ser Leu Phe Thr
 1 5 10 15
 Glu Arg Met Cys Ile Gln Gly Ser Gln Phe Asn Val Glu Val Gly Arg
 20 25 30
 Ser Asp Lys Leu Ser Leu Pro Gly Phe Glu Asn Leu Thr Ala Gly Tyr
 35 40 45
 Asn Lys Phe Leu Arg Pro Asn Phe Gly Gly Glu Pro Val Gln Ile Ala
 50 55 60
 Leu Thr Leu Asp Ile Ala Ser Ile Ser Ser Ile Ser Glu Ser Asn Met
 65 70 75 80
 Asp Tyr Thr Ala Thr Ile Tyr Leu Arg Gln Arg Trp Met Asp Gln Arg
 85 90 95
 Leu Val Phe Glu Gly Asn Lys Ser Phe Thr Leu Asp Ala Arg Leu Val
 100 105 110
 Glu Phe Leu Trp Val Pro Asp Thr Tyr Ile Val Glu Ser Lys Lys Ser
 115 120 125
 Phe Leu His Glu Val Thr Val Gly Asn Arg Leu Ile Arg Leu Phe Ser
 130 135 140
 Asn Gly Thr Val Leu Tyr Ala Leu Arg Ile Thr Thr Thr Val Ala Cys
 145 150 155 160
 Asn Met Asp Leu Ser Lys Tyr Pro Met Asp Thr Gln Thr Cys Lys Leu
 165 170 175
 Gln Leu Glu Ser Trp Gly Tyr Asp Gly Asn Asp Val Glu Phe Thr Trp
 180 185 190
 Leu Arg Gly Asn Asp Ser Val Arg Gly Leu Glu His Leu Arg Leu Ala
 195 200 205
 Gln Tyr Thr Ile Glu Arg Tyr Phe Thr Leu Val Thr Arg Ser Gln Gln
 210 215 220
 Glu Thr Gly Asn Tyr Thr Arg Leu Val Leu Gln Phe Glu Leu Arg Arg
 225 230 235 240
 Asn Val Leu Tyr Phe Ile Leu Asp Leu Ser Arg Phe Ser Pro Cys Lys
 245 250 255
 Asn Leu His Trp Gly Gln Gln Arg Lys
 260 265

<210> 42
 <211> 574
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1) ... (574)
 <223> n = A,T,C or G

<400> 42
 accaacanag cttagtaatt tctaaaaaga aaaaatgatc tttttccgac ttctaaacaa 60
 gtgactatac tagcataaat cattcttcta gtaaaacagc taaggatatag acatttcta 120
 aatttgggaa aacctatgat tacaagtaaa aactcagaaa tgcaaagatg ttgggtttttt 180
 gtttctcagt ctgcttttagc ttttaactct ggaaacgcat gcacactgaa ctctgctcag 240
 tgctaaacag tcaccagcag gttcctcagg gtttcagccc taaaatgtaa aacctggata 300
 atcagtgtat gttgcaccag aatcagcatt ttttttttaa ctgcaaaaaa tgatgggtctc 360
 atctctgaat ttatatcttct cattcttttg aacatactat agctaataata ttttatgttg 420
 ctaaattgct tctatctagc atgttaaaca aagataatat actttcagatg aaagtaaatt 480
 atagggaaaa aattaactgt tttaaaaaga acttgattat gttttatgat ttcaggcaag 540
 tattcatttt taacttgcta cctactttta aata 574

<210> 43
 <211> 467
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (467)
 <223> n = A,T,C or G

<400> 43
 tttttttttt ttttttattg ccatcaattt attaaaataa acatgtatag cagggtttcaa 60
 caattgtctt gtagtttgta gtaaaaagac ataagaaaga gaagggtgtgg tttgcagcaa 120
 tccgtagctg gtttctcacc ataccctgca gttctgtgag ccaaaggctt tgcagaaagt 180
 taaaataaat cacaaagact gctgtcatat attaatgca taaacacctc aacattgctc 240
 anagtttcat ccgttttggtt aanaaaacat tccttcaatt catctatggc atttgtagtg 300
 gcattgtcgt ctatgaactc ttgaagaagt tctttgtatt cagtcttaga cacttggtga 360
 ttgattgtct tggaaatcac attctccaat aaggggcagc cagagcctgc gtagcagtgc 420
 tgggagaggg ccgccagcat gaggaccatc agcaacttca tgggtgag 467

<210> 44
 <211> 613
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (613)
 <223> n = A,T,C or G

<400> 44
 tttttttttt ttttttttag ttttaaaata ttttcacttt attattatgc ttataatatt 60
 attccaacag actgtattaa aggcagtgat cactaacaca gaacacgaca gggcgaagag 120
 gcagccgggc cgattgcagg acgtggcctg tcgggccagg gtcgctgaca tgcacgctgg 180
 tagctcatat actgctaccc tcagcacagg ctgcaggaat agggacaaga cagatgccgc 240
 cggactctta gaagctattt aataaatatc atccaaaaac aaaatggaaa agaaacaaga 300
 aaccctccga gcacaaccac cttaggccaa ctgaatgtaa tctagtttat tcaacaaaaa 360
 attgagagag aaggaaaata ttgaaacaaa caaacgaaag aaagcagttc ttaagactag 420

```

cagtaaataa atttatacaa cagttcggtc tgtataatat gatgaaataa atctacatct    480
tttcttattt tggngctttg aattatacat acaaacaaca attacaggga cttgttcaca    540
aagcatgtag gcctanaaaa aggcctctctg aaaccctcaa tggcaactgg tgaacggtaa    600
cactgattgc cca                                                         613

```

```

<210> 45
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(334)
<223> n = A,T,C or G

```

```

<400> 45
accagaccaa gtgaatgcga cagggaatta tttcctgtgt tgataattca tgaagtagaa    60
cagtataatc aaaatcaatt gtatcatcat tagttttcca ctgcctcaca ctagtgagct    120
gtgccaaagta gtagtgtgac acctgtgttg tcatttccca catcacgtaa gagcttccaa    180
ggaaagccaa atcccagatg agtctcagag agggatcaat atgtccatga ttatcaggta    240
tgctgactat ttccaagggg tttttcagtt gcttcatttg cttgtaaaagc aggtaatcct    300
cttggtgtnt tttctttttc tcgatgagcc gtgt                                334

```

```

<210> 46
<211> 429
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

```

```

<400> 46
acaattttnt taaacaagca gaatagcact aggcagaata aaaaattgca cagacgtatg    60
caattttcca agatagcatt ctttaaattc agtattcagc ttccaaagat tggttgccca    120
taatagactt aaacatataa tgatggctaa aaaaaataag tatacgaaaa tgtaaaaaag    180
gaaatgtaag tccactctca atctcataaa aggtgagagt aaggatgcta aagcaaaaata    240
aatgtagggt ctttttttct atttccgttt atcatgcagt ctgcttcttt gatatgcctt    300
agggttaccc atttaagtta gaggttgtaa tgcaatgggt ggaatgaaaa ttgatcaaat    360
atacaccttg tcatttcatt tcaaattgcg gntggaaact tccaaaaaaa gggtagggcat    420
gaagaaaaa                                                         429

```

```

<210> 47
<211> 394
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(394)
<223> n = A,T,C or G

```

```

<400> 47

```

```

acgcgaantt gtgttatgac tgatagcctt cagctacaaa angataggac tgacctgggtt      60
taaagtgttc tattttgtaa atcattccat ttgagtcctt ctgatgaact tggctatact      120
gaaatctgtt atttttagtga ggctccaaaa tgagcaaagc taggcctgat tagagtagag      180
tgactattaa aaaacataac tttctaggag ctataaatca aagttttaaa aagatgtttg      240
gatatatttg agtattccga tcatgaaaac agaaattgcc ctgcctacta caaggacaga      300
ctgatgggaa attatgcacc tggccaactt agcttttaag cagacgatgc tgtaaaaaca      360
aacggccttct ctgatattta ttgtaagttt tagt                                394

```

```

<210> 48
<211> 486
<212> DNA
<213> Homo sapien

```

```

<400> 48
acaaaggaac cgaggggtga ccacctctga gatgtccttg actttgtcat agcctggggc      60
atattgagca tctctctcac agctgccttt cttatcccca ttcttgatgt agacctcctt      120
ccgagtcagc tttttctcct cctcagacac aaacagagct ttgatacctt gtgcagggag      180
cagctcttcc ttttggtgct ggcaagtggg agttggagga agcctcaaag ctcgagttgt      240
tccctcgggtg caggggagac aaatgggcct gatagtctgg ccatatttca gcttattctt      300
gagcttgatc agggcaacgt catagtcata aaattcagga attcctgctt cttttttccc      360
attaatgttg tagttggggg gaaataggac tacttctatc tccagggtccc gcttctcccc      420
tcccttgatt gagtggttcc tgatcatccac agtgaaacaa tgtgctgctg tcagcacaaa      480
gtacct                                486

```

```

<210> 49
<211> 487
<212> DNA
<213> Homo sapien

```

```

<400> 49
acgggctgac agagaagatt cccgagagta aatcatcttt ccaatccaga ggaacaagca      60
tgtctctctg ccaagatcca tctaaactgg agtgatgtta gcagaccag cttagagttc      120
ttctttcttt cttaagccct ttgctctgga ggaagttctc cagcttcagc tcaactcaca      180
gcttctccaa gcatcaccct gggagtttcc tgagggtttt ctcataaatg agggctgcac      240
attgcctgtt ctgcttcgaa gtattcaata ccgctcagta ttttaaatga agtgattcta      300
agatttggtt tgggatcaat aggaaagcat atgcagccaa ccaagatgca aatgttttga      360
aatgatatga ccaaaatttt aagtaggaaa gtcacccaaa cacttctgct ttcacttaag      420
tgtctggccc gcaatactgt aggaacaagc atgatcttgt tactgtgata ttttaaatat      480
ccacagt                                487

```

```

<210> 50
<211> 460
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

```

```

<400> 50
acatattttg gttgaagaca ccagactgaa gtaaacagct gtgcatccaa tttattatag      60
ttttgtaagt aacaatatgt aatcaaactt ctagggtgact tgagagtggg acctcctata      120
tcattattta gcaccgttta tgacagtaac catttcagtg tattgtttat tataccactt      180

```

atatcaactt	atthtttcacc	aggttaaaat	tttaattttct	acaaaataac	attctgaatc	240
aagcacactg	tatgttcagt	aggttgaact	atgaacactg	tcataaatgt	tcagttcaaa	300
agcctgaaag	tttagatcta	gaagctggta	aaaatgacaa	tatcaatcac	attaggggaa	360
ccattgttgt	cttcacttaa	tccatttagc	actattgaaa	ataagcacac	caagntatat	420
gactaatata	acttgaaaaat	tttttatact	gaggggggtng			460

<210> 51
 <211> 529
 <212> DNA
 <213> Homo sapien

<400> 51						
acacttgaaa	ccaaattttct	aaaacttggt	tttcttaaaa	aatagttggt	gtaacattaa	60
accataacct	aatcagtggt	ttcactatgc	ttccacacta	gccagtcttc	tcacacttct	120
tctggtttca	agtctcaagg	cctgacagac	agaaggggtt	ggagattttt	tttctttaca	180
attcagtcct	cagcaacttg	agagctttct	tcatgttggt	aagcaacaga	gctgtatctg	240
caggttcgtg	agcatagaga	cggtttgaat	atcttccagt	gatatcgggt	ctaactgtca	300
gagatgggtc	aacaaacata	atcctgggga	catactggcc	atcaggagaa	aggtgtttgt	360
cagttgtttc	ataaaccaga	ttgaggagga	caaactggct	tgccaatttc	tggatttctt	420
tattttcagc	aaacactttc	tttaaagctt	gactgtgtgg	gcactcatcc	aagtgatgaa	480
taaatcatca	agggtttgtt	gcttgtcttg	gatttatata	gagcttctt		529

<210> 52
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 52						
actttgccaa	gcagtaaagg	atccaggaga	tagcactgga	tgtgggtgtca	tgtcctgcaa	60
acatgaacgt	tttcacttca	gcctggagat	ctgcttcaga	gaaatctttg	gtgttttcgc	120
ttttggcact	caaaagtatg	tccagaaaat	cccagcgctt	tttctgagta	gtatcttggt	180
ttagcttatc	cttaagagac	tccttccggt	cctggattac	tttctctgtg	aactgatgaa	240
gttcttggtt	aaatttagaa	aagatttggc	cttgagagct	gaatttgaaa	accaggtcgt	300
tgtgatgtag	aaaattgttc	atgcgctggt	tggagatttt	gctaagggtt	aacactgctt	360
tcaggatatga	gtccagggt					379

<210> 53
 <211> 380
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (380)
 <223> n = A,T,C or G

<400> 53						
acttttatct	taaaaggggtg	gtagttttcc	ctaaaatact	tattatgtaa	gggtcattag	60
acaaatgtct	tgaagtagac	atggaattta	tgaatgggtc	tttatcattt	ctcttcccc	120
tttttggcat	cctggcttgc	ctccagtttt	aggtccttta	gtttgcttct	gtaagcaacg	180
ggaacacctg	ctgagggggc	tctttccctc	atgtatactt	caagtaagat	caagaatctt	240
ttgtgaaatt	atagaaattn	actatgtaaa	tgcttgatgg	aatnntttcc	tgctagtgtg	300
gcttctgaaa	ggcgttttct	ccattttattt	aaaactaccc	atgcaattaa	aaggtagctt	360
gccgcgacca	cnctaanggc					380

<210> 54
 <211> 245
 <212> DNA
 <213> Homo sapien

<400> 54
 gcgcggcgct tcactttctt aactttccggt ccggctcgcc cagcgcgctg cgagtgtctgg 60
 ccgaggtgca ggagggccgc gcgtggatta atccaaaaga gggatgtaaa gttcacgtgg 120
 tcttcagcac agagcgctac aaccagagt ctttacttca ggaagggtgag ggacgtttgg 180
 ggaaatgttc tgctcgagtg tttttcaaga atcagaaacc cagaccaacc atcaatgtaa 240
 cttgt 245

<210> 55
 <211> 556
 <212> DNA
 <213> Homo sapien

<400> 55
 acagaagatg aataataatg aaaaactgtg attttttgac tatcacatac attgtgttaa 60
 aaaacaggtg aatataatga ctattactgt taagaaagac aaggaggaaa actgtttcaa 120
 tgttcaggtt taaataactaa gcacaaaaat ataacaaatt ctgtgtctac aataattttt 180
 gaagtgtata caagtgcatt gcaaatgagc tctttaaaat ttaaagtcca tttccccctt 240
 agccaagcat atgtctacat ttatgatttc tttctcttat tttaaagtct cttctgggtt 300
 agttttttta aaagtttcat catggctgtc atcttggaat ctacgtctca gctcaaagct 360
 gagacttcac gcatacatat tctcctttct ggttgcatct tcacctagtt tctccaagta 420
 ttcagagtta aatagcaciaa cttcttttat atgttcactt ttgtccacat gtatgggcag 480
 tgctgtctgt tcagtaggct ttctcacaca cctttttcct tctttcaaca gcagtcacca 540
 aacgttcaca acacaa 556

<210> 56
 <211> 166
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(166)
 <223> n = A,T,C or G

<400> 56
 atgggcccctg attacatcat tatgaactac tcaggnaac atcccaaata ccgacctngg 60
 gaaagacttg gtccgagatg tgttcatcca tacaggctac ctcttcaga gcncaggnc 120
 caagagctgc ntnatcacct acctggccca ggtggacccc anaggg 166

<210> 57
 <211> 475
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

```

<400> 57
acatccncat gttcctccaa atgacgtttg gggtcctgct tgccaacatt ctttattgcc      60
agctgttcag gtgtcatctt atcttcttct tctacagcct tattgtaatt cttggctaatt    120
tccaacatct cttttaccac tgattcattg cgtttacaat gttcactgta gtccctgaagt    180
gtcaaaccctt ccatccaact cttcttatgc aaatttagca acatcttctg ttccagttca    240
tttttccgat agttaatagt aatggagtaa taatgtctgt ttagtccatg aattaatgcc    300
tggaatagatg gcttgtttaa gtgaccaga ttcgaagtgt tttgtcttgg ttcatgtcct    360
aagaccatca tattagcatt gatcaatctg aaggcatcaa taacaacctt tccttttaca    420
ctctgaatgg gatccacaac cactgccaca gntctctccg ataaggcttc aaagc      475

```

```

<210> 58
<211> 520
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

```

```

<400> 58
actgttnatg tgctacttgc atttgtccct cttcctgtgc actaaagacc ccactcactt      60
ccctagtgtt cagcagtgga tgacctctag tcaagacctt tgcactagga tagttaatgt    120
gaaccatggc aactgatcac aacaatgtct ttcagatcag atccatttta tcctccttgt    180
tttacagcaa gggatattaa ttacctatgt tacctttccc tgggactatg aatgtgcaaa    240
attccaatgt tcatgggtctc tccctttaaa cctatatctt acccctttta cattatagaa    300
aggaatgctg gaaacccaga gtccttctct tgggactctt aatgtgtatt tctaattatc    360
catgactctt aatgtgcata ttttcaattg cctaattngat ttcaattgtc taagacattt    420
caaatgtcta attggggaga actgagtcct ttatatcaag ctaatatcta gctttttatat    480
caagctaata tcttgacttc tcagcatcat agaagggggg      520

```

```

<210> 59
<211> 214
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(214)
<223> n = A,T,C or G

```

```

<400> 59
ctggcaggaa atgcatcaaa agacttaaag gtanagcgta ttaccctctg tcacttgcaa      60
cttgctattc gtggagatga agaattggat tctctcatca aggctacaat tgctggtggn    120
gggtgcattc cacacatcca caaatctctg atngggaana aaggacaaca naagactgnc    180
taanggatgc ctgnatncct tggaatctca tgac      214

```

```

<210> 60
<211> 360
<212> DNA
<213> Homo sapien

```

```

<220>

```

<221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 60
 gcatacaaca tggcagcagg gcctcgggaa gangggtagg aggaccgagc agcattctct 60
 gtagaggaag acaggaaagg agaccctctt ggcacacatt tatggagggt tgtccctgaa 120
 gagaagggca ggtgggagag gttccctgtt acttaagaga aggcaccagt ggcaaagagc 180
 acaatgaaga ggatgatgat aaaaacaatc acgcagataa ggacaatcat cttcacgttc 240
 ttccaccaga attttcagac caccttctgc gatgtcgtct tgaagtgtc agatgtggct 300
 tccagatcct ctgtcttgtt gcggagatgt tccaagtttt ccccccgggc caggatccgc 360

<210> 61
 <211> 391
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(391)
 <223> n = A,T,C or G

<400> 61
 tntgggatcg tactcgatta aacagagcca cctttgttcc tgaggcaatg cataantcan 60
 catttttcaa tgactgcttc tttttggaag gnttggagat gacttttatc cgcttgctga 120
 ggaacacacc aatgncatca ctggtgccat agaacatctt tacagacaac atgaantgct 180
 ttcgcttgct tgagtcagat atatacaatg ttttggtgt gcaatagtgc tttccttcca 240
 agtttagctg ctgcatttct tggncactat ttccatccc aataaatgca cacggttgag 300
 actcttgntc agaacaacca tcncgttcca tttgttcttt ttttntcttc catccactgc 360
 ccataagata tacacannga ggtgggcaaa a 391

<210> 62
 <211> 324
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(324)
 <223> n = A,T,C or G

<400> 62
 acaattttat tttaacagat ttcaagagtc catttttttaa aaaatgagca ataaagaacc 60
 tctatcagtg agacttctca ttttatagca aatacatttt tgcagcttaa attttcttga 120
 attcatatac gcttctgtca tttaaacaaa cttccagaga aaactgggtct ctatatattt 180
 aagtaacaaa tttgacaaaa tacatatatta tacatatata ganctctaata ataaatatta 240
 aatttgaaaa aatcaaatgt gaagcagaaa ctgctataca agtatattgt ntaatatcta 300
 ttnnatacat taaagnnttc cggg 324

<210> 63
 <211> 360
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(360)
 <223> n = A,T,C or G

<400> 63
 acagannccct tgaatatgtt gtgggttcct cattatggcc cttcattccc ttctgtgtta 60
 atagtaaagc atgttgcccta ataactacaa ccctgaccaa atttgggcct ggatctcatg 120
 ggtcacgtgg agttttaaat acgattttta atttacttgg gtaattgagc tgaatcttta 180
 gtttttcagat tactttttta aacagatagg ctcttagaac aaattattaa aaacataata 240
 ccccatgtga ggggaatctg gattaactac ccactgttcc ccccccccc aacttttgaa 300
 aaattttggc catatagaat gcatgaaaaa tcaggtatga tcttatgagg actttatagt 360

<210> 64
 <211> 491
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = A,T,C or G

<400> 64
 nctgactgtg atgtccactt gttccctgat ttttacacat catgtcaaag ataacagctg 60
 ttcccaccca ccagttcctc taagcacata ctctgctttt ctgtcaacat cccatttttg 120
 ggaaaggaaa agtcatattt attcccgcac ccagttttt taacttggtc tcccagttgt 180
 cccctcttc tctgggtgta agaagggaat ttggaaaaaa attatatata tattctcctt 240
 ttaatgggtg ggggctactg gagaggagag acagcaagtc caccctaact tgttacacag 300
 cacataccac aggttctgga attctcatct tcgaacctag agaaataggt gctataaaca 360
 gggaattaag caaaatgctg gatgctatag atcttttaaat tgncttaatt ttttttctat 420
 tattaacta caggctgtag atntcttagg tctcacagaa cttntatcat tttaaactga 480
 cttgtatatt t 491

<210> 65
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 65
 accagcacac cggcgccgtc ctggactgag ccttctacga tccaacgcat gcctggagtg 60
 gaggactaga tcatcaattg aaaatgcatg atttgaacac tgatcaagaa aatcttgttg 120
 ggacccatga tgcccctatc agatgtgttg aatactgtcc agaagtgaat gtgatggtca 180
 ctggaagtgt ggatcagaca gctaaactgt gggatcccag aactccttgt aatgctggga 240
 cttctctca gcctgaaaag gtatataccc tctcagtgtc tggagaccgg ctgattgtgg 300
 gaacagcagg ccgcagagng ttggtgtggg acttacggaa catgggttac gtgcagcagc 360
 gcaggagatc cagcctgaaa taccagactc gctgcatacg agcgtttcca aacaagcagg 420
 gttatgtatt aagctctatt gaaggccgag tggcagttga gtatttggac ccaagccctg 480
 aggt 484

<210> 66
 <211> 355
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

<400> 66
 ngaagaaagt atgggtggag gtgaaggtaa tcacagagct gctgattctc aaaacagtgg 60
 tgaaggaaat acaggtgctg cagaatcttc tttttctcag gaggtttcta gagaacaaca 120
 gccatcatca gcatctgaaa gacaggcccc tcgagcacct cagtcaccga gacgcccacc 180
 acatccactt cccccaagac tgaccattca tgccccacct caggagttag gaccaccagt 240
 tcagagaatt cagatgacct gaaggcagtc tgtaggacgt ggccttcagt tgactccagg 300
 aatagggtggc acgcaacagc atttttttga tgatgaagac agaacagttc caagt 355

<210> 67
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 67
 acgacacccc tcaagagggt gccgaagctt tcctgtcttc cctgacagag accatagaag 60
 gagtcgatgc tgaggatggg cacagcccag gggaacaaca gaagcggag atcgctctgg 120
 acccttcagg ctccatgaac atctacctgg tgctagatgg atcagacagc attggggcca 180
 gcaacttcac aggagccaaa aagtgtctag tcaacttaat tgagaagggt gcaagttatg 240
 gtgtgaagtc aagatatggg ctagtgacat atgccacata ccccaaaatt tgggtcaaag 300
 tgtctgaagc agacagcagt aatgcagact gggtcacgaa gcagctcaat gaaatcaatt 360
 atgaagacca caagttgaag tcagggacta acaccaagaa ggcctccag gcagtgt 417

<210> 68
 <211> 223
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(223)
 <223> n = A,T,C or G

<400> 68
 cacttgcaag cttgcttaca gagacctgnt aaacaaagaa cagacagatt ctataaaatc 60
 agttatatca acatataaag gagtgtgatt ttcagtttgt ttttttaagt aaatatgacc 120
 aaactgacta aataagaagg caaaacaaaa aattatgctt ccttgacaag gcctttggag 180
 taaacaaaat gctttaaggc tcctggtgaa tgggggtgca agg 223

<210> 69
 <211> 396
 <212> DNA
 <213> Homo sapien

```

<400> 69
accttttttc tctccaaagg aacagtttct aaagttttct ggggggaaaa aaaacttaca      60
tcaaatttaa accatatgtt aaactgcata ttagttgtgt tacaccaaaa aattgcctca      120
gctgatctac acaagtttca aagtcattaa tgcttgatat aaatttactc aacattaaat      180
tatcttaaat tattaattaa aaaaaaaaaact ttctaaggaa aaataaacia atgtagaccg      240
tgattatcaa aggattatta aagaatcttt accaaaaaatt tcaaccctac aacctaaaaac      300
cgcaaatttc tattttttaa catcagaaaa taactcttgg ttcattactt atgacccaaa      360
gtttttatct cactattcaa tatctgaaaa gtatca                                     396

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<210> 70
<211> 402
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(402)
<223> n = A,T,C or G

```

```

<400> 70
accannccc accaggcaa acagctccga catgtttngt aagttagaca agccagtgc      60
agtttttttt tttttttcct ttttcttttt tttgtctttt gcttaccttc ttgcttaatg      120
gaattgttat ggctaagcac atagaaggcc aaaaaaggag tttttcaaac ccagcaaadc      180
aagtgccttg attctgaact gccaaaagaa aactgcactt cccctcttaa gtaaaacgaa      240
atgagtttct taggtaaatg tattcatcag cccagataaa aaaaaaacca gttatgtgag      300
cgttagtcac tgctcatttc caggaanac aaacaaaata ccagcccagc cagactcaca      360
tgtgggnata tatatataaa gcaagagagc cacaccaca ag                                     402

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```

<210> 71
<211> 385
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(385)
<223> n = A,T,C or G

```

```

<400> 71
accagtagag agtggcccct gcaggccact tataaacagg aagctctctc ctgagctcac      60
tgatcaacct gcccttggca cagacagaac ctaccagaaa agaacaagta caaaacacta      120
tcattatctg ttttctcaag acagtcccaa atgtccttgt gcgatcgcca caaacctcag      180
gattggccca agtcattccc gggtgccata aacagtaact ggtgtgcanc attagaacia      240
ggggacacgg ccttgattct cttctgagca acatgaactg ggatttctgc cncctccgat      300
ctcggctgcc acctccgaag aagtcgtgac cagccacctc cacagtaaaa gattcctccc      360
gtgagtatga tttggaatgc gncct                                     385

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```

<210> 72
<211> 538
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(538)

<223> n = A,T,C or G

<400> 72

caattaatta	acagaggtat	aattgtctca	ctttcagaag	tgatcattta	tttttattta	60
gcacaggtca	taagaaaaat	atatagaaaa	ataatcaatt	tcatatataa	aaggattatt	120
tctccacctt	taattattgg	cctatcattt	gttagtggtta	tttggtcata	ttattgaact	180
aatgtattat	tccattcaaa	gtctttctag	atttaaaaaat	gtatgcaaaa	gcttaggatt	240
atatcatgtg	taactattat	agataacatc	ctaaaccttc	agtttagata	tataattgac	300
tgggtgtaat	ctcttttgta	atctgnnttg	acagatttct	taaattatgt	tagcataatc	360
aaggaagatt	taccttgaag	cactttccaa	attgatactt	tcaaacttat	tttaaagcag	420
tagaaccttt	tctatgaact	aagtcacatg	caaaactcca	acctgtaagt	atacataaaa	480
tggacttact	tattcctctc	accttctcca	ggcctaggaa	tattcttctc	tggagccc	538

<210> 73

<211> 405

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(405)

<223> n = A,T,C or G

<400> 73

actttatmna	tgggaattttc	ttctacttgt	atccatttnc	cggggcttat	ggaccatttc	60
atactctcca	tatttagaat	caaagggtcc	tttctgaaga	gaccttaatt	ttaaggtaaa	120
acgtgggtcca	agttcctgaa	ttcccacttt	cttttctactc	ctgaatatgt	atctgtgaaa	180
tctgaagaat	atgtaatccc	gttgattgtg	gaatgtggca	acctgccttc	cgataaattg	240
aggattatga	ggaaagagag	atgcaaacat	acgtccaatt	gaatgaccga	gccgtgttgt	300
aaaattattc	agaattattt	caggtatgtg	ttctgtgggg	tccttgccctc	ttctcttaat	360
ttctttacga	agacgaacac	tgctcatttt	aaaatgagca	gttgg		405

<210> 74

<211> 498

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(498)

<223> n = A,T,C or G

<400> 74

tgagccctgc	acctgtttcc	tgcacccct	gcenactgg	tctatggcca	caaggagttt	60
taccagtaaa	aggagtttga	ggtgtattat	aagctgatgg	aaaaataccc	atgtgctgtt	120
cccttggtgg	ttggaccctt	tacgatgttc	ttcagtgctc	atgaccaga	ctatgccaa	180
attctcctga	aaagacaaga	tcccaaaagt	gctgttagcc	acaaaatcct	tgaatcctgg	240
gttggtcgag	gacttgtgac	cctggatgg	tctaaatgga	aaaagcaccg	ccagattgtg	300
aaacctgtgt	tcaacatcag	cattctgaaa	atattcatca	ccatgatgtc	tgagagtgtt	360
cggatgatgc	tgaacaaatg	ggaggaacac	attgcccata	actcacgtct	ggagctcttt	420
caacatgtct	ccctgatgac	cctggacagc	atcatgaagt	gtgccttcag	ccaccagggc	480
agcatccagt	tggacagt					498

<210> 75
 <211> 458
 <212> DNA
 <213> Homo sapien

```

<400> 75
agccttgcac atgataactca gattcctcac ccttgcttag gagtaaaaca atatacttta      60
caggggtgata ataatctcca tagttatttg aagtggccttg aaaaaggcaa gattgacttt      120
tatgacattg gataaaatct acaaatcagc cctcgagtta ttcaatgata actgacaaac      180
taaattattht ccctagaaaag gaagatgaaa ggagtgagggt gtggtttggc agaacaactg      240
catttcacag cttttccagt taaattggag cactgaacgt tcagatgcat accaaattat      300
gcatgggtcc taatcacaca tataaggctg gctaccagct ttgacacagc actgttcac      360
tggccaaaca actgtgggta aaaacacatg taaaatgctt tttaacagct gatactgtat      420
aagacaaagc caagatgcaa aattaggctt tgattggc                                458

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<210> 76
 <211> 340
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (340)
 <223> n = A,T,C or G

```

<400> 76
accttataacc aaaanaatgc ttattccaaa atattttttg tagctagtag ttctttcctt      60
ggaggtaaag aaaatacacc caaactttta attaccagga ttcagaatat ttaagagaac      120
aatttttagtt aagaatcaaa tatactgaga ttcaaaggagg ggaaaaaaag gaaatattat      180
agaagacaaa ggtcaaactg gcattccaga tctggagcaa ttttgtaaag caggaaaaca      240
actatgacaa tctgnagctt cttagatcat tatagtgaat gtncccattht actataaggg      300
tttttataat ggtgtttcct aaataaagga acataaatgt                                340

```

<210> 77
 <211> 405
 <212> DNA
 <213> Homo sapien

```

<400> 77
actccatttg tggaactcgt gtcggagtct ggtaaacagc cgaatgtcctt cctcccctac      60
agtttctctt ccttgcatag gagcagtgat gtcctgatta aaggcattaa ttttatctat      120
caggaagaac attttttcat tttcgtcttc cggtagtgctg acaccatact tttgtagctc      180
ctctgttatt ctctgggtgag tctccttgat ttgattttct aacaggggca gagatttaca      240
gatatgtgtg atgagctcgc tggtaagttt ttctgccagg cagggaaccg tggcctttcc      300
ttcctccagc agatccctga aatatgggtg gttctcaaag aagatcttct ctctctgcag      360
ggcttcggac aggctcagct ggtcctggat ctctgtctgg ccccg                                405

```

<210> 78
 <211> 410
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(410)

<223> n = A,T,C or G

<400> 78

acagcagntn	tagatggctg	caacaacctt	cctcctaccc	cagcccagaa	aatatttctg	60
ccccacccca	ggatccggga	ccaaaataaa	gagcaagcag	gcccccttca	ctgagggtgct	120
gggtagggct	cagtgccaca	ttactgtgct	ttgagaaaga	ggaaggggat	ttgtttggca	180
ctttaaaaat	agaggagtaa	gcaggactgg	agaggccaga	gaagatacca	aaattggcag	240
ggagagacca	tttggcgcca	gtcccctagg	agatgggagg	agggagatag	gtatgagggt	300
aggcgctaag	aagagtagga	ggggtccact	ccaagtggca	gggtgctgaa	atgggctagg	360
accaacagga	cactgactct	aggtttatga	cctgtccata	cccgttccac		410

<210> 79

<211> 512

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 79

acagtgaaaa	acaaactaat	ataaagcatt	ccagnngata	aaaacctcct	caggcttatg	60
gtttgttttc	caaggaaatt	atgtttcaat	gtaaagtttg	aaatactcca	gacatacatt	120
ccatgtaggt	tttgggtgcc	aatgttaaaa	tttcaaattt	tgcatgcaag	gcttagcaaa	180
gaaacactgg	cagaattcca	gcatttgcaa	aattctaagt	tttgggtgaat	attgtaaata	240
ttacaattgg	tattagaaaag	ccatgatgaa	tccagaatta	agagaaaacc	catttcataa	300
atatttttgt	tgattaaaaa	ataccaggct	taccatgttc	taaataacac	aagaaaatat	360
ctttaaaaaa	aaaaggactg	caatttaaca	gtaatctgta	tatcttttagc	tgccattaaa	420
aaaagaaaaa	agaacaacca	aaaacaatga	aatgtttaca	actggtataa	agtnaccna	480
tgatgctccc	cttacgagaa	aacaaaactg	tc			512

<210> 80

<211> 174

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(174)

<223> n = A,T,C or G

<400> 80

tgattcccca	gacctcaa	at	gggctaacac	gcttctcttc	tncagcagnc	ttcctgtccg	60
tgaagntncc	ttccagattg	gtacatggaa	ctgaaaacaa	agggagcctc	agctggattg		120
aaatctggag	catgccacaa	agncttgcac	tnggcatttt	cnagaagaac	ccat		174

<210> 81

<211> 274

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 81
 ttgcaacaag cacattaaat taaggcctgc tngaatttct tcctccccaac tcaggtaaag 60
 tttctttgcc aataaagttt gaggaggtgg catttgaaaa tctcttttaa aaagaagtct 120
 tcatctattc acnagaaaac tcaaaaataa ttttcattat caacacacaa actaactcaa 180
 tctctgcttt aagtttctat tggccaattt ttctgattna tacgagaatt attntcagnt 240
 ntagaaaatc ctggtctttg gtcattacaa gntg 274

<210> 82
 <211> 101
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(101)
 <223> n = A,T,C or G

<400> 82
 atggagaaga tcgaacctga gcctnntgag aattgcctgc tacngcctgg cagccctgcc 60
 cgagtggccc agcnncattt cacnagntgg gcatgattg n 101

<210> 83
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 83
 tattatgggg aaagataact gagaataaag ctatcatgca gatatttgca gagataaaaag 60
 taatgcagat actgagtgga gttttgatca aactatgctt gaaagccact ctaccactag 120
 ttacacaaac caataatttc ctttcgcagt ggaagtcagc ttgagttttt tcagggtgtt 180
 tt 182

<210> 84
 <211> 229
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(229)
 <223> n = A,T,C or G

<400> 84
 actgtttgta gctgcactac aacagattct taccgtctcc acaaagggtca gagattgtaa 60
 atggtaata ctgacttttt ttttattccc ttgactcaag acagctaact tcattttcag 120
 aactgtttta aacctttgtg tgctggttta taaaataatg tngtaaatcc ttgttgcttt 180
 cctgatacca nactgtttcc cngggttggt tagaatatat tnngttcng 229

<210> 85
 <211> 500

<212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 85

ggggagtang	tgatttatta	aagcaagacg	ttgaaacctt	tacnttctgc	agtgaagatc	60
aggggtgcat	tgaaagacag	tggaaaccag	gatgaaagtt	tttacatgtc	acacactaca	120
tttcttcaat	attttcacca	ggacttccgc	aatgaggcct	cgtttctgaa	gggacatctg	180
atccgagcat	ctcttcactc	ctaacttggc	tgcaacagct	tccagagggg	catcaaattt	240
ggcaagactt	aacttgaaca	gaggttcact	aatgaagaag	aagtctaaca	gctcagaaac	300
aagagctggg	cagaactcgg	cattggcctg	gtagcagcag	agggccagcg	tgaccagcag	360
gagacacacc	gacagcttca	tgggtgcttg	ttttgctgtg	agctcagctt	tcacaaacaa	420
tgagtgattt	ggactccacc	ccaggagcct	gtggagctgc	agagcccagg	gctattttga	480
cctgcccggg	cggncgctcg					500

<210> 86
 <211> 323
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(323)
 <223> n = A,T,C or G

<400> 86

ccgccagtgt	gctggaattc	gcccttgccg	cccgggcagg	tactcagaag	tcattttgta	60
tttacaattg	ggtttgtgtg	ggatgggatn	tanggcggat	gagccagtgc	ttttgcaatg	120
aagatgcaat	antcattgtc	ctctcccact	gtctcctctt	tcctcacccc	atggcagctn	180
tcatgaccca	ttcccaaagg	gtccaccgag	tcctgaactc	agcttcatca	ccaacattcc	240
tcgccttcag	ttgaattcaa	cactgncaan	ggagnagang	caaagacttg	ggtcagggag	300
agggngggaa	acacanaaca	aac				323

<210> 87
 <211> 230
 <212> DNA
 <213> Homo sapien

<400> 87

gcagcattga	gccaccccct	tggcaggcga	tacggcagct	ctgtgccctt	ggccagcatg	60
tggagtggag	gagatgctgc	ccctgtgggt	ggaacatcct	ggggtgacct	ccgaccagc	120
ctcgctgggc	tgtcccctgt	ccctatctct	cactctggac	ccagggctga	catcctaata	180
aaataactgt	tggattagac	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaag		230

<210> 88
 <211> 249
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(249)
 <223> n = A,T,C or G

<400> 88
 atgtgaccag gtctaggctt ggagtttcag nttggacact gagccaagca gacaagcaaa 60
 gcaagccagg acacaccatc ctgccccagg cccagcttct ctctgcctt ccaacgccat 120
 ggggagcaat ctacagcccc aactctgcct gatgcccttt atcttgggcc tcttgtctgg 180
 aggtgtgacc accactccnt ggtctttggc cgggccccat ggatcctgct ctctggaggg 240
 ggtntagat 249

<210> 89
 <211> 203
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(203)
 <223> n = A,T,C or G

<400> 89
 tgtttacact gtcaaggatg acaaggaaag tgttcntatc tntgatacca tcatcccagc 60
 tgttctcct cccactgacc tgcgattcac caacattggc ccagacacca tgcgtgtcac 120
 ctgggtcca cccccatcta ttgatttaac taacttcctg gtgcggnact cacctgtgaa 180
 aaatgangaa gatgttgcag agt 203

<210> 90
 <211> 455
 <212> DNA
 <213> Homo sapien

<400> 90
 ctctaagggg gctggcaaca tggctcagca ggcttgcccc agagccatgg caaagaatgg 60
 acttgtaatt tgcacctcgg tgatcacctt actcctggac cagaccacca gccacacatc 120
 cagattaaaa gccaggaagc acagcaaacg tcgagtgaga gacaaggatg gagatctgaa 180
 gactcaaat gaaaagctct ggacagaagt caatgccttg aaggaaattc aagccctgca 240
 gacagtctgt ctccgaggca ctaaagttca caagaaatgc taccttgctt cagaaggttt 300
 gaagcatttc catgaggcca atgaagactg catttccaaa ggaggaatcc tggttatccc 360
 caggaaactc gacgaaatca acgcccctca agactatggc aaaaggagcc tgccagggtg 420
 caatgacttt tggctgggca tcaatgacat ggtca 455

<210> 91
 <211> 488
 <212> DNA
 <213> Homo sapien

<400> 91
 actttgcttg ctcatatgca tgtagtcact ttataagtca ttgtatgtta ttatattccg 60
 taggtagatg tgtaacctct tcaccttatt catggctgaa gtcacctctt gggtacagta 120
 gcgtagcgtg gccgtgtgca tgtcctttgc gcctgtgacc accaccccaa caaaccatcc 180
 agtgacaaac catccagtgg aggtttgtcg ggcaccagcc agcgtagcag ggtcgggaaa 240
 ggccacctgt cccactccta cgatacgcta ctataaagag aagacgaaat agtgacataa 300
 tatattctat ttttatactc ttcctatatt tgtagtgacc tgtttatgag atgctggttt 360


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tctacccaac ggccctgcag ccagctcacg tccagggttca acccacagct acttggtttg      420
tgttcttctt catattctaa aaccattcca tttccaagca ctttcagtcc aatagggtga      480
ggaaatag                                     488

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<210> 92
<211> 420
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(420)
<223> n = A,T,C or G

```

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<400> 92
tctccggcag gctctgcccc ggctcgtagcn agnnaaccta taatcctgac cttttttgta      60
gacaaccttg gtgctgaggt taactccatc cattgtagtg gcctgtatat caatggggacg     120
attgcatatt tttcctgggt gagctttcca gaggtctgaa attttctccc cacctttagt     180
ctgagatact ttatcatgat cganccactc cgtccactcc acgtnttgaa cccactcact     240
ggacaaagaa acattgaaat attcgccatg ctctgtctgg aacaatttga ataccggggc     300
agcagcagag cctcgatgnc caggatattc aatatgggtc tccactgaag atgatggatt     360
tcctttcaca gntagaaaac ttncnagggg gtctaaatcc aagggtgcagg aagnngngngc     420

```

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<210> 93
<211> 241
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(241)
<223> n = A,T,C or G

```

```

<400> 93
accacgaatt ncaacatcca gatccaccac tatcctaatt ggattgtaac tngnaactgt      60
gcccggctcc tgaaagccga ccaccatgca accaacgggg tgggtgcacct catcgataag     120
gtcatctcca ccatcaccaa caacatccag cagatcattg agatcganga cacctttgag     180
acccttcggg ctgctgnngc tgcacaggg ctcaacacga tgcttgaagg naacggncag      240
t                                     241

```

```

<210> 94
<211> 395
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

```

```

<400> 94
actctattnt aattctgcct ttttatactt aattctaaat ttttccctc taatttacaa      60
caaatTTTgt gatttttata agaatctatg cctccccaat tctcagattc ttctcttttc     120
tcctttatTT ctttgcttaa attcagtata agctttcttg gtatttttagg cttcatgcac     180

```

attctttattc	ctaaacacca	gcagttcttc	agagacctaa	aatccagtat	aggaataact	240
gtgttagttc	ttgaaaaagc	attaaagaca	tttttccttg	aaacatacag	aacatgtcat	300
gccaaatctc	ttgtttacat	aataaactgg	taataccggt	gaattgcaca	tacagatttt	360
atctccaaga	tagaataact	taaatattaa	aacgt			395

<210> 95
 <211> 304
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(304)
 <223> n = A,T,C or G

<400> 95						
cgaggtacag	tgatngctcc	ccctgggcaa	tacaatacaa	gaacngnggg	ttttgtcaaa	60
ttggaacaag	gaaacagaac	cacagaaata	aatacattgg	ttaacatcag	attagttcag	120
gttacttttt	tgtaaaaagt	aaagtacgag	gggacttctg	tattatgcta	actcaagtan	180
actggaatct	cctgttttct	tttttttttt	taaatngggt	ttaatttttt	ttaattggat	240
ctatcttctt	ccttaacatt	tcagttggag	tatgtagcat	ttagcaccac	tggtctnaaac	300
ctgt						304

<210> 96
 <211> 506
 <212> DNA
 <213> Homo sapien

<400> 96						
acactgtcag	cagggactgt	aaacacagac	agggtcaaag	tgttttctct	gaacacattg	60
agttggaatc	actgtttaga	acacacacac	ttactttttc	tggtctctac	cactgctgat	120
attttctcta	ggaaatatac	ttttacaagt	aacaaaaata	aaaactctta	taaatttcta	180
tttttatctg	agttacagaa	atgattactg	aggaagatta	ctcagtaatt	tgtttaaaaa	240
gtaataaaat	tcaacaaaca	tttgctgaat	agctactata	tgtcaagtgc	tgtgcaaggt	300
attacactct	gtaattgaat	attattcctc	aaaaaattgc	acatagtaga	acgctatctg	360
ggaagctatt	tttttcagtt	ttgatatttc	tagcttatct	acttccaaac	taatttttat	420
ttttgctgag	actaatctta	atcattttct	ctaatatggc	aaccattata	accttaattt	480
attattaacc	ataccctaag	aagtac				506

<210> 97
 <211> 241
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 97						
attttctttt	taattacttt	agagagctag	ggatgcaaat	gttttcagtt	agaaagcctt	60
tatttacttt	tggaattga	acaagaaatg	catctgtctt	agaaactgga	gattatttga	120
tgtaggtaa	aacatgtaat	tgtntctctg	gcaaatttgt	atcantnatt	ngaaaatgag	180
atattangaa	aaaccaattc	ttcttaaadc	tagnncatct	ttctttanaa	gaacattana	240

t

241

<210> 98
 <211> 79
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(79)
 <223> n = A,T,C or G

<400> 98
 ggcaaacana cttatgctgn ancnggggtt tancaagggt ttcaaagnaa aaanccatt 60
 ngactttatg gaaaatatt 79

<210> 99
 <211> 316
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(316)
 <223> n = A,T,C or G

<400> 99
 ccacatatgt aaaaccaga aagaccngnt tngcactttc actgagagtt gagtcattctg 60
 ggctgtcnac aggtgtctga cgtgtaaaact tggaatcaaa ctgacttaca tcctcttcag 120
 attgcaacag aggttttaaag gggggctcca cctttcgagc cagaagttct tcccagttaa 180
 tgtgtctaaa gaatggatga gcttgaactt ctccagcgtc cccaggacca gctcccagac 240
 gagaagcagc atttcttttc agcagctttt taagcagatc tctggcttct tngtgagggt 300
 aggaggcaa attgag 316

<210> 100
 <211> 425
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(425)
 <223> n = A,T,C or G

<400> 100
 accgctttca gaaagtttat atgggttatt cttcagcctc tcttttatgc ctttcgacct 60
 ctgtttatca accccaaacc aattacgtat ctggaagtta tcaataccgt ggcacaggctc 120
 acttttgaca ttttaattta ttactttttg ggaattaaat ccttagtcta catgttggca 180
 gcatcttta'c ttggcctggg tttgcacca atttctggac attttatagc tgagcattac 240
 atgttcttaa agggncatga aacttactca tattatgggc ctctgaattt acttaccttc 300
 aatgtgggtt atcataatga acatcatgat ttccccaaca ttcttgga aaagtctcca 360
 ctggtgagga aaatagcagc tgaatactat gacaacctgc ctactacaa tttctggata 420
 aaagg 425

<210> 101
 <211> 156
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(156)
 <223> n = A,T,C or G

<400> 101
 actgacttgg gaatgtcaaa attctttatt atgatcttcc gagtgttgtc ctgagctttg 60
 ttggccctca actgcaggca gagaaccagg agcagggtgg cagggtctggc cctgaacagg 120
 agctggagca agcgcattgct ngagaaaaca gaaggc 156

<210> 102
 <211> 230
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(230)
 <223> n = A,T,C or G

<400> 102
 actccaggcc ggnctcagg ttatcaaaaag tgcaggagct ctgatcagca tggaccactt 60
 cttccaaaga atttccctgc tggccgtttg taggggttgt ggtaattcta taaccagtaa 120
 tgtctggggg ggtgctcctc tcccaggaga ctgtgagcac tccagtgtca gggtttgcct 180
 ccagatgcaa gntngtnggt ggagacaatg gtgncaccac tttgtnnaca 230

<210> 103
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 103
 actgtgaacc ctgnggnttc nangcgacct acctggagct ggccagtgtc gtgaaggagc 60
 agtatccggg catcgagatc gagtcgcgcc tcggggggcac aggtgccttt gagatagaga 120
 taaatggaca gctggtgttc tccaagctgg agaatggggg ctttccctat gagaaagatc 180
 tcattgaggc catccgaaga gccagtaatg gagaaaccct agaaaagatc accaacagcc 240
 gtctccctg cgtcatcctg tgactgcaca ggactctggg ttctctgctc gttctggggg 300
 ccaaaccttg gtctcccttt ggtcctgctg ggagctcccc ctgcctcttt cccctactta 360
 gtccttagc aaagagacc tggcctccac tttgcccttt gggt 404

<210> 104
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (404)
 <223> n = A,T,C or G

<400> 104

accaggttat	ataatagtat	aacactgcc	aggagcggat	tatctcatct	tcacacctga	60
attccagtg	ttgtcacgtg	gttggtgaat	aaatgaataa	agaatgagaa	aaccagaagc	120
tctgatacat	aatcataatg	ataattat	caatgcacaa	ctacgggtgg	tgctgaacta	180
gaatctatat	tttctgaaac	tggctcctct	aggatctact	aatgatttaa	atctaaaaga	240
tgaagttagt	aaagcatcag	aaaaaaaaag	gggtattcct	acaagtcagg	acattctacg	300
tgactataat	ataatctcac	agaaatttaa	cattaatacn	ttctaagatt	taattcttag	360
antctnggta	aacaaagtag	ctcctgtgga	natgattggc	atca		404

<210> 105
 <211> 325
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (325)
 <223> n = A,T,C or G

<400> 105

acagcagaag	ccagtctang	atgggtgtgat	tcaatttctg	cctctagtat	ttctttgtct	60
tgtttttct	tcaatttaga	agtgagcatt	gtgttctcag	ctatcagaac	tttaagctgc	120
ccactatatt	gagatgccct	tttagcta	gattcctctt	tcagtttttag	ggctcatctga	180
agttcagcat	tcttttcttt	taaaatctta	atgtcctcaa	agtatttatt	ttccttttcc	240
tggtattggn	gtttcagngt	ggctatttcc	agtttttagca	tggcaattnc	ctttttcaac	300
atgcaatttt	catgtaagag	ataat				325

<210> 106
 <211> 444
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (444)
 <223> n = A,T,C or G

<400> 106

actgtcttca	atnctatgcy	tgcaggtgtc	taccacaggc	aaacagtttt	ctccccattt	60
tgtagtaatg	tgattttcct	attagcaaaa	agaggtcacc	agccccgtga	gacttaaggg	120
actcaagtca	caggatgggg	atttcctctt	aatatttttt	atttngttgt	ttgaactctt	180
gatgcaacat	tgtagagcag	ggtgttcagg	acctgctgtg	cccaagggac	tgataaagga	240
aaaagctcta	tttattcttt	ttgtgatttg	atgcacagat	gaaaaactta	acacacaata	300
acagaagttg	gncgttaata	aatcacatcc	taggctttca	gcgcttncgt	aagcagacga	360
catcttcagt	tttctagctc	ttgnagnttc	aacacngnaa	catcaatgat	gcataatgtnc	420
agaatcagtt	acaaaagacca	tccg				444

<210> 107

<211> 287
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(287)
 <223> n = A,T,C or G

<400> 107
 acctgcactc gnaentcagg cantaggcct ccacgtcatg gccaggcact ggcatgggct 60
 ccaccacgtg caggcagttg cagtccttct gggatacatt ctggttgtaa atgtgcccac 120
 tgatgtttct ataagggtggg acagatgcat ttgcaccgga tatcttcana actcttggtg 180
 gctncagctg ggggcaccaa caaacacccg accacagcca ccaaagataa nagcttcatg 240
 cttatcangc ttgctggggc agnaaagccg gacacctaca agccnc 287

<210> 108
 <211> 478
 <212> DNA
 <213> Homo sapien

<400> 108
 acatgtgcaa gaatttgga aagcagggca ttttcctca tctctcctag aggggaatattc 60
 acagcatctg tctctactgg tccacactgg actgcagaca atgtcaaaac tctggatttg 120
 gaatgcggct gatttccttt cccctttaag gagttttcca agaatttcat aaccatcagt 180
 tgttatattt ccagcttcct tgatgtcttt ttctataatt tcatagcagt caatgtaaat 240
 cttaacactt tttgaggtca ctacaatatg aaccttgtga aaacttccat aaaataatgt 300
 ctttacttct tctgtgtcaa atgtaacagt ttgcacctcg cctcttgat ccttggtaaa 360
 gaatgataac gtcttgctag aaggatctgc aatcactcca acttgtggtt tgtagtctct 420
 gtctgtgatt tgccaaattg caaaagggc actgggagtt tctgggagaa gtctgaat 478

<210> 109
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 109
 gaatttttct tctanaataa gtattctgtt gacacagact attggtaaga ttttcaacat 60
 aaggtaatgc taggactggc ctctagcat gagttgtgag taaagatctg gtctgtgtgt 120
 tctccaaaag aagnttctta ctgctgtct ctcatgagtt ttctgtttct gctttctctt 180
 tttcatattg atatatacgg ntttttaaat ggtnattgta attaaatattc tcctcatttt 240
 tctcttttag gagatgatgt tgcattttcc tctcaagaaa atgaatatca attgttatct 300
 tgcttttgnt gncagctttc ttatgtgcat gaactaattg ctgttgaagc cacatatttt 360
 t 361

<210> 110
 <211> 305
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(305)
 <223> n = A,T,C or G

<400> 110
 acataatgac tnncanagtg aagctgattg gctgcgggttc tggagtaaata ataagctctc 60
 cgttcctggg aatccgcact acttgagtca cgtgcctggc ctaccaaata cttgccaaaa 120
 ctatgtgcct tatcccacct tnnaatctgn ctccctcattt ntcagctgtt ggatcagaca 180
 atgacattcc tntagatntg gcgatcaagc attccanacc tgngccaact gcaaacgggtg 240
 cctncaagga gaaaacgaag gcncaccaa atgnaaaaaa tgaangnccc ttgaatgtac 300
 taaaa 305

<210> 111
 <211> 371
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(371)
 <223> n = A,T,C or G

<400> 111
 cggggggccag cgggggggtat tcagccatcg atcaaactca aaacctggaa tgatatccac 60
 tctctttttc ttaagctcag ggaaatatcc caagtagaag tccagaaagt catcggctaa 120
 gatgcttcgg aatttgaatt catgcacata ggccttgaga aaactgtcaa actgatcctg 180
 atcacccacc aagtgggcca ggtatgagac aaagcagaaa cttttctcgt aggggggtctc 240
 attataggtg tcgtccgggt caacgcctgg ttcaatcttc acgcggagct tgttgagtgg 300
 gttttcctct ccagtgatgt ccatgtgctg acgcagcaga ncccgccccg ttgcagcctc 360
 caagcaggng t 371

<210> 112
 <211> 460
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 112
 acatcttagg ttttnttcc tttantgtga agaggcggtt ccaccaaccc acagctctgc 60
 gtcgagtttt tactagattg ctgcaaattt catggaatct ttgctgttgt tcagtgggtc 120
 atttattgga gccaaaaatt ctagggcgct agaattggga caaggtagtc agccaagcac 180
 aaaaacataa caaacagga aacgccggac agaacagatg gatctagata gtagataatc 240
 agaaacacca aagaaaccac acccatgatg gcaggtggaa accaggctct ttctcatcgg 300
 aggactttat cagccatcag catcacttct ccccatcctt gcagctgttc ttccagactt 360
 gcagtctctg cagccagcag gttgggtgct gcgattacct ccctccgcca tcgtctcggg 420
 gatgcagtct ctacaagcgc aggccacctc cccaacgagt 460

<210> 113

<211> 204
 <212> DNA
 <213> Homo sapien

<400> 113
 gagaagacag cagagctgct ttccgcctct ttgagaccaa gatcacccaa gtccctgcact 60
 tcaccaagga tgtcaaggcc gctgctaata agatgcgcaa cttcctgggt cgagcctcct 120
 gccgccttag cttggaacct gggaaagaat atttgatcat gggcttagat ggggccacct 180
 atgacctcga gggacacccc cagt 204

<210> 114
 <211> 137
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(137)
 <223> n = A,T,C or G

<400> 114
 accgcaagaa atgggacagc aacgtcattg agacttttga catcgncgcg tngacagtca 60
 acgctgacgt gggctattac tcctggaggt gtcccaagcc cctgaagaac cgtgatgtca 120
 tcacctccg ntcctg 137

<210> 115
 <211> 278
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(278)
 <223> n = A,T,C or G

<400> 115
 gcggggcggt ttntggactc gctcatttac agagcatgcy tggctttcac ccttggcatg 60
 ttctccgcg gcctctcgga cctcaggcac atgcgaatga cccggagtgt ggacaacgct 120
 cagntcctgc cttttctcac cacggangtc aacaacctgg gctggctgan ttatggggct 180
 ttgaaggag acgggaccc catcgtcanc aacacagtgg gtgctgcgct tcanaccctg 240
 tatactcttg gcatactgc attactgcc tcggaagc 278

<210> 116
 <211> 178
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(178)
 <223> n = A,T,C or G

<400> 116
 acaccgtcat angtcaaaaag tncagtgtg gccatcttgc atcaaatgtt ctttaaggcag 60

tgactggcta	tcaaccacag	nttctgtctc	cccagntgca	aacacaggat	ccatgcaaca	120
gttctgagac	catacactta	gaaaccacng	ggagatgcgg	atcanatgca	naactnnc	178

<210> 117
 <211> 360
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (360)
 <223> n = A,T,C or G

<400> 117						
actccccaat	gngggattta	ttactattaa	agaaaccagg	gaaaatatta	attttaatat	60
tataacaacc	tgaaaataat	ggaaaagagg	tttttgaatt	ttttttttaa	ataaacacct	120
tcttaagtgc	atgagatggg	ttgatgggtt	gctgcattaa	aggtatttgg	gcaaacaaaa	180
ttggagggca	agtgcactgca	gttttgagaa	tcagttttga	ccttgatgat	tttttgtttc	240
cactgtggaa	ataaatgttt	gtaaataagt	gtaataaaaa	tccctttgca	ttctttctgg	300
accttaaatg	gtagaggaaa	aggctcgtga	gccatttgtt	tcttttgctg	gttatagttg	360

<210> 118
 <211> 125
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (125)
 <223> n = A,T,C or G

<400> 118						
gcgtcgtgct	atgaccggac	ttngtcttga	aaggggatga	cagcatggga	ggcaatggnt	60
ncacatgtaa	acccacact	gaaagacaag	gcactctctc	cacagcagcc	ccaacaacta	120
gccct						125

<210> 119
 <211> 490
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1) ... (490)
 <223> n = A,T,C or G

<400> 119						
nacaaagaaa	agcaaaaaga	atttacgaag	attgtgatct	cttattaaat	caattgttac	60
tgatcatgaa	tgttagttag	aaaatgtag	gttttaactt	aaanaaaatn	gtattgngat	120
tttcaatntt	atggtgaaat	cngngtaata	tcctgangtt	ntttccccc	cagaagataa	180
agaggataga	caacctctta	aaatattttt	acaatttaat	ganaaaaagn	ttaaaattct	240
caatacnaat	caaacaattt	aaatattttt	agaaaaaagg	aaaagtagat	agtgatactg	300
agggtaaaaa	aaaattgatt	caattttatg	gtaaaggaaa	cccatgcaat	tttacctaga	360
cagccttaaa	tatgtctggg	tttccatctg	ctagcatttc	agacatttta	tgttcctctt	420

actcaattga taccaacaga aatatcaact tctggagtct attanatgtg ttgtcacctt 480
tctnaagctt 490

<210> 120
<211> 361
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G

<400> 120
caggtacagt aaaattaaca cttccgttac aggaaatgta tgacgcaaata aatataaaat 60
taaaagggtga aaaaaagggtg acactgggtt cctaagatac aatttactct ttacaaccag 120
ggtccacagg tccagggtgc anagcgggca tcaggaagca gagcctncca cctgcttctg 180
ggggacctgg taataaaaaat cagcccatga tggcgctatg gcctctcaga caccacacgc 240
tgccataaca cctagagctc tggaaatagt caacaggaga gtgatttcca tgggggaaat 300
tttaanaag atgcacatgg gacaggcaat agaaagtgtg ccaaggntaa atttggtacc 360
t 361

<210> 121
<211> 405
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

<400> 121
acacaaaacc ttttnacata ttgggggctt accgctccaa attgctactg atcctttaag 60
ttcacaatat agaatttctt caccaattaa gtaataaccc tcattacaaa taaagtgcac 120
ctgataacca aactcgtaag tccattttgc agggactgct tggccattta aaggatccccg 180
tatatatgga catgtttctc tataacaggc gtcactctgag acaggtagcc atgtatgatt 240
ccgatcacia atagtatggg tggcaagagg aggtatatag aagtatectt ttttacctt 300
ataatctact cgttcaccaa tctcatagta gggttttggt ttaccaatga gcctccatan 360
cttcaaatgt tgggtggctn ctcacaggca tcnggcanaa ngagt 405

<210> 122
<211> 152
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(152)
<223> n = A,T,C or G

<400> 122
accccgctcc gttgncacag atcgctgtct gccactcca tcggccattc acttggcagg 60
tgcgattggc agagccccgg agagtgtaac cgtcatagca gtggaaagag atctcatcac 120

tcacattgta gtagggagac cggggccaan ta 152

<210> 123
 <211> 336
 <212> DNA
 <213> Homo sapien

<400> 123
 acatctgaca tatttatata gcacataaat tagggagtgc tctgaccctt gcccggtggag 60
 cccaagcact gagcagggag gtgaacgccca gtccagaaaag aagggtgctgg agcccctgct 120
 ctgtcctctc catcacgggg ctccccctagg gcctccccag gcctccttgg ctcagtccag 180
 gtgtctgcag gaggaaggtg ttgtctgcat ttagtgtctg agactgggtt tgaggaggca 240
 ccagataaaa ggagatacac ttgcagctat aaagtgcagct tcaaacccca gggcttgtaa 300
 ttccaagagg aggggtggga ggcgaggcca tagtct 336

<210> 124
 <211> 253
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(253)
 <223> n = A,T,C or G

<400> 124
 ctgcaagagc ccagatcacc cattccgggt tcaactccccg cctccccaag tcagcagttc 60
 tagccccaaa ccagcccaga gcaggggtctc tctaaagggg acttgagggc ctgagcagga 120
 aagactggcc ctctagcttc taccctttgt ccctgtagcc tatacagttt agaatatatta 180
 tttgttaatt ttattaaaaa gctttaaaaa aacaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 aaaaaagntt gtn 253

<210> 125
 <211> 522
 <212> DNA
 <213> Homo sapien

<400> 125
 acaactgcaa gtctaagata atgttcattc attcccatca taaatgtaac attctaaata 60
 ggtgtcttct gatgtcatct gtcagaattt cttttaaact ttttcttcat cttcaacatt 120
 atcaaagttc atccttattc ctcttgctt gatttcggag agtttccaat ttttcaacta 180
 ttaaggcagc gattgtcttt gcattctctg tatttatctg ctcttcttga aaatttctct 240
 ttgtctcttc gtagaaataa aacttaacag ttggataggc cctgatccca gctttctggc 300
 atgtctgagc ataagcctga cagtctactt ttccagcttt cacttttctt ttaatcatcc 360
 tagccaagag ctcaaattct ggagcaaaat tctggcaagg tccacaccaa ggagcataga 420
 aatcaatcac ccaatgattt ttcccttgta gaacttttct actgaaagtc tgagggtgta 480
 gatctgtgga tacttgagggt aaaaatccta gaccctagat tc 522

<210> 126
 <211> 374
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(374)
 <223> n = A,T,C or G

<400> 126
 tttttaagat attaacttta cttttataaa tctttgtgtg aaatgaaaaa aaaaatcaag 60
 gcatacaaat ttcattgtgt tctacatttt taaataccat cttttgtctc cgttaaaaga 120
 ttttcatcca tttattcaaa aaccttttaa gttcaactgt ccaatttaag acagagtga 180
 gacatttttg agtatctgaa ctaagcattg tcttgactga aacgaagtaa gaactcaatg 240
 agagtccttg tgggcctccc aggcattgct ttcgtagat aggggaacttc atctttgttg 300
 gncatcacgc ctgctatgtc taaatgtgcc cacttaggat gagttacgaa ttctttcagg 360
 aatgctgcag ctgt 374

<210> 127
 <211> 130
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(130)
 <223> n = A,T,C or G

<400> 127
 aaagccaaga cngccattgg cactgctatg gtaaggncac agggcancca gggccttctg 60
 gcaaaaaggng atacnaccag cactatnaac agacaggaca tggttgagag gnagnctaca 120
 caantcctaa 130

<210> 128
 <211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 128
 aactgatttt ccgntnaaaa gaancatcat ctttaccttg acttttcagg gaattactga 60
 actttcttct cagaagatag ggcacagcca ttgccttggc ctacttgaa gggctctgcat 120
 ttgggtcctc tggctctctg ccaagnttcc cagccactcg agggagaaat atcgggaggt 180
 ttgacttctt ccggggcttt cccgagggct tcaccgtgag ccctgcggcc ctcagggctg 240
 caatcctgga ttcaatgtct gaaacctcgc tctctgctg ctggacttct gaggcgctca 300
 ctgccactct gtccctccagc tctgacagct cctcatctgt ggctgttga 350

<210> 129
 <211> 505
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(505)

<223> n = A,T,C or G

<400> 129

acaataccaa	agcttcataa	tgctaaagaa	aacccaaaaca	aaagacaatg	gtttacacag	60
ggaaataacc	ctaaggcaat	atgaaaacag	tcataattta	ttactgataa	agagtaaagg	120
catccttccc	atagaggggg	ggaattcaca	gggaacacta	attatatcag	atgaaccacg	180
gggatagaaa	ataggcccat	ttttaaatt	cattgagaaa	ttattacttt	ttctccacaa	240
ctgtgattct	atacaaaata	taaacctgc	aaaccttatg	tgctacctga	cagataaaaag	300
tagcaggagc	cagactcttg	aagcacttga	gactgatttc	tacaaaagtcc	aggaagagca	360
atgattccag	tgtgcagtg	tgatgcatgt	gtgagcctaa	catgttattc	agctctgggt	420
gcagcccat	ctacatgggg	cccagttagt	ttttaggagg	tcacagatta	ngcaggcaac	480
cgaggggcat	gatttaaaaa	gcaca				505

<210> 130

<211> 526

<212> DNA

<213> Homo sapien

<400> 130

acaaaagagc	ctgattcttt	ttaattccac	aaatacctag	catctcaaag	taacatgtaa	60
acaaacttct	atgctgctca	atgaatcctt	ccaatttcga	taataaacta	aatagtattg	120
gatctagtat	atgactttca	tgtgtaagtt	atggttctat	ccattacttt	aacaatatta	180
ctgatgtaac	agagaaaaat	tttcaactat	tgtacttatt	taaaacaaac	tgacaagttc	240
aagcacctgt	cttcagaaaa	gccagcagca	tttttttttt	tttaacatac	tcaaagtaag	300
atttggccta	agcccttaat	acctttctga	acagccatgc	aactaaacac	cctcaggaga	360
tgttacataa	gggagagaag	aacatggagc	aatttgcact	ttttccccta	gataatatta	420
acaaggtaaa	gcaaatccag	atctttatga	atgaatggct	gtcatgttta	atacacttgg	480
agctctataa	aactagagcc	actatcatat	atgtttatat	agatat		526

<210> 131

<211> 477

<212> DNA

<213> Homo sapien

<400> 131

ctcagttttc	ccagcaacag	atgctcctga	gcaatttatt	agtcaagtga	cgggtgctgaa	60
atacttttct	cattacatgg	aggagaacct	catggatggg	ggagatctgc	ctagtgttac	120
tgatattcga	agacctcggc	tctacctcct	tcagtggcta	aaatctgata	aggccctaata	180
gatgctcttt	aatgatggca	cctttcaggt	gaatttctac	catgatcata	caaaaatcat	240
catctgtagc	caaaatgaag	aataccttct	cacctacatc	aatgaggata	ggatatctac	300
aactttcagg	ctgacaactc	tgctgatgtc	tggctgttca	tcagaattaa	aaaattgaat	360
ggaatatgcc	ctgaacatgc	tcttacaaag	atgtaactga	aagacttttc	gaatggaccc	420
tatggggactc	ctctttttcca	ctgtgagatc	tacagggaac	ccaaaagaat	gatctag	477

<210> 132

<211> 404

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1) ... (404)

<223> n = A,T,C or G

```

<400> 132
accacacgan  cgggnatcnt  ttgnacatag  tgagacccgg  ctgattccca  tacatgaatc      60
cattcatgga  gtgcatttta  ttagatncct  gaaagtcttc  atcttcctta  tccacctgat     120
caggngcagt  tgtaaacatn  cctaataatta  tcttccagga  gtaaaactctc  attctcatca     180
aatactgtag  gaaacaaata  gaattccttg  tctacatctt  tctgtctccc  atttgcatat     240
aaacttcctt  tcttgcatat  tttcattggc  ccaataagcc  cagtgaatat  atcttttagtg    300
ggatccacag  cagaataata  catcttagct  agacacacag  ggatctgcat  tacnggggtc     360
ctacttcctt  ggggacagcc  cttcatacgn  gaatgtttnt  gtgg                               404

```

```

<210> 133
<211> 552
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

```

```

<400> 133
accccaaaatt  atctctctcc  tgaagtcctc  aacaaacaag  gacatggctg  tgaatcagac      60
at ttggggccc  tgggctgtgt  aatgtataca  atgttactag  ggaggccccc  at ttgaaact     120
acaaatctca  aagaaactta  taggtgcata  agggaagcaa  ggtatacaat  gccgtcctca     180
ttgctggctc  ctgccaaagca  cttaattgct  agtatgttgt  ccaaaaaccc  agaggatcgt     240
cccagtttg  atgacatcat  tcgacatgac  ttttttttgc  agggcttcac  tccggacaga     300
ctgtcttcta  gctgttgtca  tacagttcca  gatttccact  tatcaagccc  agctaagaat     360
ttctttaaga  aagcagctgc  tgctcttttt  ggtggcaaaa  aagacaaagc  aagatatatt     420
gacacacata  atagagtgtc  taaagaagat  gaagacatct  acaagcttag  gcatgatttg     480
aaaaagactt  caataactca  gcaacccagc  aaacacaggg  acagatgang  agctccacca     540
cctaccacca  ca                               552

```

```

<210> 134
<211> 496
<212> DNA
<213> Homo sapien

```

```

<400> 134
acattgatgg  gctggagagc  aggggtggcag  cctgttctgc  acagaaccaa  gaattacaga      60
aaaaagtcca  ggagctggag  aggcacaaca  tctccttggg  agctcagctc  cgccagctgc     120
agacgctaatt  tgctcaaact  tccaacaaag  ctgccagagc  cagcacttgt  gttttgattc     180
ttcttttttc  cctggctctc  atcatcctgc  ccagcttcag  tccattccag  agtcgaccag     240
aagctggggtc  tgaggattac  cagcctcacg  gagtgacttc  cagaaatata  ctgaccacca     300
aggacgtaac  agaaaatctg  gagacccaag  tggtagagtc  cagactgacg  gagccacctg     360
gagccaagga  tgcaaatggc  tcaacaagga  cactgcttga  gaagatggga  gggaagccaa     420
gacccagtg  gcgcattccg  tccgtgctgc  atgcagatga  gatgtgagct  ggaacagacc     480
ttttctgggc  cacttt                               496

```

```

<210> 135
<211> 560
<212> DNA
<213> Homo sapien

```

```

<400> 135
actgggagtg  atcactaaca  ccatagtaat  gtctaataatt  cacaggcaga  tctgcttggg      60

```

```

gaagctagtt atgtgaaagg caaatagagt catcacagtag ctcaaaaggc aaccataatt 120
ctcttttggtg caggctcttgg gagcgtgatc tagattacac tgcaccattc ccaagttaat 180
ccccgaaaa cttactctca actggagcaa atgaactttg gtcccaaata tccatctttt 240
cagtagcggtt aattatgctc tgtttccaac tgcatttctt ttccaattga attaaagtgt 300
ggcctcgttt ttagtcattt aaaattgttt tctaagtaat tgctgcctct attatggcac 360
ttcaattttg cactgtcttt tgagattcaa gaaaaatttc tattcttttt ttgcatcca 420
attgtgcctg aactttttaa atatgtaaat gctgccatgt tccaaacca tcgtcaagtg 480
tgtgtgttta gagctgtgca ccctagaaac aacatattgc ccatgagcag gtgcctgaac 540
acagaccctt ttgcattcac 560

```

```

<210> 136
<211> 424
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

```

```

<400> 136
accagcaaat ctccattagc atttctcagg tttcatgatc cttttcagat atgttggttg 60
attttatgta tatattgctt agaaacaaaa atccacctga tattaaaaca aaccaaaaaa 120
aatcataaaa gcaagcaaat gaacaaaaaa ccctagtttt gttgtgcttt tctttcacat 180
ttcctacagg gagatttgta tatctcagat actttcaaaa tctaataagg aagtaaaatt 240
agtgccttaa ccaaacagta agataccaaa gaatcctcca tcacaagtta ctgaatcaaa 300
cttctcatga catttgcggt atattcagat ttgaagattt tttaaattta gaatttaaaa 360
caaactttag actgctgatt ttccatattt caaagactgt agctgtntgc agcatataaa 420
tgga 424

```

```

<210> 137
<211> 392
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```

```

<400> 137
tgcggggntg aaggctagca aaccgagcga tcatgtcgca caaacaaatt tactattcgg 60
acaaatacga cgacgaggag tttgagtatc gacatgtcat gctgcccaag gacatagcca 120
agctggggcc taaaacccat ctgatgtctg aatctgaatg gaggaatctt ggcgatcagc 180
anagtcaggg atgggtccat tatatgatcc atgaaccaga acctcacatc ttgctgttcc 240
ggcgcccaact acccaagaaa ccaaagaaat gaagctggca agctactttt canectcaag 300
ctttacacag ctgnccttac ttcctaacat ctttctgata acattattat gctgccttcc 360
tgttctcact ctganatnta aaagatgttc aa 392

```

```

<210> 138
<211> 284
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n = A,T,C or G

<400> 138
 tgctgtgca cctctttgct tgaaatatgg caagacttgg aaaaatgttt gcccttagaa 60
 tctatctcac tacttttagtt agttgtctcc tttgggcctg ggcacagttc tggccctgat 120
 ctggaacaga ctcccttttc taaaactgaa cttgaccaca tcaaaagntt gnaaaacaat 180
 ctccatggta attaaacttg cattcaacac catatggnaa cagaagatgg caggaggata 240
 anatncagat cttatgatct ttccangnan ggcattgttac atga 284

<210> 139
 <211> 249
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(249)
 <223> n = A,T,C or G

<400> 139
 gaggaagggg ggactgaatc tancacntg acngaactag agacagccat gggcatgac 60
 atagacnntc ttacccgata ntcgggcagc gagggcagca cgcagaccct gaccaagggg 120
 gagctcaagg ggctgatgga gaaggagcta ccaggcttcc ngcagagngg aaaaanacaag 180
 gangccgtgg ataaattgct caaggaccta gacgccnatg gaggatgccc aggtgggactc 240
 cagcgagnt 249

<210> 140
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 140
 tcataatggg tggggcagct ataatnnact acaanaatca natgtttcac atctagacct 60
 cgggcagcaa cagaggtagc cacaagaagt ttgcangtcc cattcttaaa gtcatttatg 120
 atgctatctc tgatcatattg atcaatgcct ccatgaagag acatgcaagg ataagatgct 180
 ctcatataat ccttaagaag accatcagca tggttcctgct tatccacaaa tataatgaca 240
 gatcctgact cttgataatg gcttagaagc tcaagtaact tcaagaattt cttttcttct 300
 tcaatcacia tcacttgtn gctccacatct gagcaaacca cactcctgcc tccaacttgt 360
 acctgccccg ggcgggagcct caagggcgaa 390

<210> 141
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(420)
 <223> n = A,T,C or G

<400> 141
 gacactcagg gaaaagcatn ngncaaanag agcttaaaat gcatcgccaa cgggggtcacc 60
 tccaaggtct tcctcgccat tcggaggtgc tccactttcc aaaggatgat tgctgaggtg 120
 caggaagagt gctacagcaa gctgaatgtg cgcancatcg ccaagcggaa cccngaagcc 180
 atcactgagg tcgtgcagct gcccaatcac ttctccaaca natactataa cagacttgnn 240
 cgaagcctgc tggaatngna tgaanacaca gggcagcaca atcaggagac agcctgatgg 300
 anaaaantgg gcctancatg gccaggcctc ttccacatcc tngcangaca gaccactgtg 360
 cccaaacaca cccnctgagc tgacttnnac aggagacgca cnaaggagcc cggcagangc 420

<210> 142
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 142
 gggttcgaca atgctgatcc gcaattagaa gacactggta agctgtgtta cactggggctt 60
 cattgaaatc ttcaaggata tagccagctc ctgctcgaag ctgggattct gtatactgct 120
 tggtgaaagg aggaatttcc aaaaattcct cctcttcttc actgcttcct gtaggaccat 180
 ctggcagttt ggagcggctg gccaaacttg cactgggttg ggccatggta aggagaaatg 240
 cgtagcccag aaacaaggtc ttgttgagag gcaaaggccc tctctgctct tccagggcag 300
 aggggttcacc ggtgttgtct ccactctcac agggggtcac aaactctcct gcccctactt 360
 gcaccaggtt t 371

<210> 143
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 143
 ggtggctgtg atnacctttt ttagttttaca aataaaaaag ntaaaaagaa atactgtgtt 60
 tagggtaagg taacannttc atctaatacag aggagagtga agangaggcn ctgccttcta 120
 ggngctgtga ctttctcctt ttcnggattc ttcnccacct tgggnaacat cttccccgct 180
 atgctggaan tacttcggng ttctgcggtg gccatgntga acatctgatg aactgaaant 240
 ncatcnaat gcacacgaag anatagncna 270

<210> 144
 <211> 259
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(259)
 <223> n = A,T,C or G

<400> 144

```

ttctctttgc tttttataat ttttaaagnaa ataacacatt taactgtatt taagtctgtg 60
caaataatcc ttcagaagaa atatccaaga ttctgtttgc agaggtcatt ttgtctctca 120
aagatgatta aatgagtttg tcttcagata aagtgtcctc gtccagnaga actcaaaaagg 180
ccttcaagct gttcagtaag tgtaggttca gataagactc cgncatacga attccagctt 240
cccgtgccca ctgtacctc                                     259

```

<210> 145

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(433)

<223> n = A,T,C or G

<400> 145

```

accacatnta ccatagtgtg attagtttta attttcacat gaatcaaagg tttcctttca 60
tgtctattta cagtccaatt gtgccaaact cttacttgtg tgctgactaa caaggcattt 120
agggtgtcag catcctagag tgctccaggg cagtgtcagc gttctcggga gtaaaagggtg 180
ccacttggtg gcaatgatat tccagaatta aatgggtttt tgttgccatg gagactgcat 240
ttatataaat gtagcctgta gcttaagtta actaaaccta atgctgctgt taaaaacagt 300
ttattttaat attaaaatac agttgattag caacagcggg gctgtatttt aagagacact 360
ttattggaag tgcaatcata gttatttggt ttcacaattt tacagnecat tctaattact 420
gatgggtgca att                                     433

```

<210> 146

<211> 576

<212> DNA

<213> Homo sapiens

<400> 146

```

acctcaggcc tgtgcacctc tttgcttgaa atatggcaag acttggaata atgtttgccc 60
ttagaatcta tctcactact ttagttagtt gtctcctttg ggcttgggca cagttctggc 120
cctgatctgg aacagactcc cttttctaaa actggacctt gaccacatca aaagtttgta 180
aaacaatctc catggtaatt aaacttgcac tcaacacccat atggtaacag aagatggcaa 240
aggataagat tcagatctta gatctttcca agtagggcat gttagatgat agaaggatta 300
gttgcaagct ggatctgagc tcaggccttg gcatgaagga aactgtctcc catgtgggtt 360
ggaagagtta ggggtctccct gagctctatt gtgaactata cgggtttcat ccaaggaatg 420
gtatgatgtg ggcataaaaac cattcttcag acaactgaag atgggtccct tctgtagcca 480
gaaacactag ctgtcctgca ttgccatttc ctttacccca ggccggcctgc agaaggaaaag 540
gccataatta attaaaaggc ttaatgaagt tttgga                                     576

```

<210> 147

<211> 300

<212> DNA

<213> Homo sapiens

<400> 147

```

ccagccccca ggaggaaggt ggggtctgaat ctagcaccat gacggaacta gagacagcca 60
tgggcatgat catagacgtc tttaccgat attcgggcag cgagggcagc acgcagaccc 120

```

```

tgaccaaggg ggagctcaag gtgcttatgg agaaaggagc taccaggctt ctgcagagtg 180
gaaaagacaa ggatgccgtg gataaattgc tcaaggacct agacgccaat ggagatgccc 240
aggtggactt cagtgagttc atcgtgttcg tggctgcaat cacgtctgcc tgtcacaagt 300

```

```

<210> 148
<211> 371
<212> DNA
<213> Homo sapiens

```

```

<400> 148
acataatcct cataatgggt ggggcagcta taatttacta caagaatcag atgtttcaca 60
tctagacctc gggcagcaac agaggtagcc acaagaagtt tgcagggtccc attcttaaag 120
tcatttatga tgctatctct gtcataattga tcaaattggcc tccatgaaga gacatgcaag 180
gataagatgc tctcattaaa tccttaagaa gaccatcagc atgttcctgc ttatccacaa 240
atataatgac agatcctgac tcttgataat ggcctagaag ctcaagtaac ttcaagaatt 300
tcttttcttc ttcaatcaca atcacttggt gctccacatc tgagcaaacc acactcctgc 360
ctccaacttg t                                     371

```

```

<210> 149
<211> 585
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (585)
<223> n=A,T,C or G

```

```

<400> 149
cgaggtacan cactgctaaa tttgacactn anggaaaagc attcgtcaaa gagagcttaa 60
aatgcatacg caacgggggtc acctccaagg tcttcctcgc cattcggagg tgctccactt 120
tccaaaggat gattgctgag gtgcaggaag agtgctacag caagctgaat gtgtgcagca 180
tcgccaaagc gaaccctgaa gccatcactg aggtcgtcca gctgcccaat cacttctcca 240
acagatacta taacagactt gtccgaagcc tgctggaatg tgatgaagac acagtcagca 300
caatcagaga cagcctgatg gagaaaattg ggccatacat ggccagcctc ttccacatcc 360
tgcagacaga ccactgtgcc caaacacacc cacgagctga cttcaacagg agacgcacca 420
atgagccgca gaagctgaaa gtcctectca ggaacctccg aggtgaggag gactctccct 480
cccacatcaa acgcacatcc catgagagtg cataaccagg gagaggntat tcacaacctc 540
ccaaactagt atcattttag gggngttga cacaccagtt ttgag                                     585

```

```

<210> 150
<211> 642
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (642)
<223> n=A,T,C or G

```

```

<400> 150

```

```

acttnccgggt tgcacaatgc tgatccgcaa ttagaagaca ctggtaagct gtgttacact 60
gggcttcatt gaaatcttca aggatatagc cagctcctgc tcgaagctgg gattctgtat 120
actgcttggt gaaaggagga atttccaaaa attcctcctc ttcttcaactg cttcctgtag 180
gaccatctgg cagtttggag cggctggcca acttgtcact ggttgtggcc atggtaagga 240
gaaatgcgta gccagaaac aaggctctgt tgagaggcaa aggccctctc tgctcttcca 300
gggcagaggg ttcaccggtg ttgtctccac tctcacaggg gctcaciaac tctcctgccc 360
ctactgcacc aggttttact gtggcagact tgcgacctcg cttggcaggg gaccgttcct 420
cttcagaagt gataagtttt cttttgcctg agagaactcc catggaggca cgaggacttt 480
ctgtgatctt tcgggtaggg gttgtgctgc tactggaggc agtanggggtg gctggggagc 540
tgacgttact gcgccgtttc cgcttccttc caccaaattg ctaagctgat atctgtgcc 600
tttgtaagaa gnggtactgc ttcatanggg ccaagcccat ac 642

```

<210> 151

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(322)

<223> n=A,T,C or G

<400> 151

```

nttgacaac atcttccccg ctatgctgga attacttcgg tgttctgcgg tggccatggt 60
gaacatctga tgaactgaaa ttccatcgga atgcacagga agatatagtt gatcttcaaa 120
aatgtccttt ccaggaccac catactgggg aagttctttc ggggtgcctgc naatgggctg 180
cacctgggg ctgggcccga gctctagctc tgtcatgccca tcgccactga aatcggtttn 240
cagatgatta gtctcttcat gccccgtcca ttttctcggt tttctccagt gttcagaaat 300
tcaaagatt aacttctggg aa 322

```

<210> 152

<211> 262

<212> DNA

<213> Homo sapiens

<400> 152

```

acaaagtctt ctctttgctt tttataattt taaagcaaat aacacattta actgtattta 60
agtctgtgca aataatcctt cagaagaaat atccaagatt ctgtttgcag aggtcatttt 120
gtctctcaaa gatgattaaa tgagtttgct tttagaataa agtgctcctg tccagcagaa 180
ctcaaaaggc cttcaagctg ttcagtaagt gtagttcaga taagactccg tcatacgaat 240
tccagcttcc cgtgccact gt 262

```

<210> 153

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)

<223> n=A,T,C or G

```

<400> 153
ctcgggagta aaaggtgcc a cttggtagca atgatattcc agaattaaat gggtttttgt 60
tgccatggag actgcattta tataaatgta gcctgtagct taagttaact aaacctaata 120
ctgctgttaa aaacagttta ttttaatat aaaatacagt tgattagcaa cagcgggtgct 180
gtattttaag agacacttta ttggaagtgc aatcatagtt atttgttttc acaattttac 240
ngtgcattct aattactgat gggngcaatt acttttaatc gngg 284

```

```

<210> 154
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(531)
<223> n=A,T,C or G

```

```

<400> 154
accacccta aatttgaact cttatcaaga ggctgatgaa tctgaccatc aaataggata 60
ggatggacct ttttttgagt tcattgtata aacaaatttt ctgatttgga cttaattccc 120
aaaggattag gtctactcct gctcattcac tctttcaaag ctctgtccac tctaactttt 180
ctccagtgtc atagataggg aattgctcac tgcgtgccta gtctttcttc acttacctgg 240
cctctgatag aaacagttgc ccctctcatt tcataaggtc gaggacttgt gaccctggat 300
ggttctaaat ggaaaaagca ccgccagatt gtgaaacctg gcttcaacat cagcattctg 360
aaaatattca tcaccatgat gtctgagagt gttcggatga tgctgaacaa atgggaggaa 420
cacattgccc aaaactcacg tctggagctc tttcaacatg tctccctgat gaccctggac 480
agcatcatga agtgtgcctt cagccaccag ggcagcatcc agttngacag t 531

```

```

<210> 155
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(353)
<223> n=A,T,C or G

```

```

<400> 155
tcttgacaag actgagagag ttacatgttg ggaaaaaaaa agaagcatta acttagtaga 60
actgaaccag gagcattaag ttctgaaatt ttgaatcatc tctgaaatga agcagggtga 120
gcctgccttc tcatcaatcc gtctgggtgc cagaactcaa gggtcagtgg acacatcccc 180
ctgttagaga ccctcatggg ctaggacttt tcatctagga tagattcaag acctttacct 240
canaattatg taaactgtga ttgtgtttta gaaaaattat tatttgctaa aaccatttaa 300
gtctttgtat atgtgtaaat gatcacaaaa atgtatttta taaaatgttc tgt 353

```

```

<210> 156
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 156

```

```

agtttgttct actacatttg tgggccacta gttcactttg ctgtgttgat aagcgttacc 60
accaattgca ctttctatag cctctttttac aatgttgctc acttcatcaa caacaaaagc 120
agtctcctcc gcagcctggg agtcttccat ctttctccg gcgcgtccc 169

```

```

<210> 157
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(402)
<223> n=A,T,C or G

```

```

<400> 157
gttaactacc cgctccgaga cgggattgat gacgagtcct atgaggccat tttcaagccg 60
gtcatgtcca aagtaatgga gatgttccag cctagtgcgg tggctttaca gtgtggctca 120
gactccctat ctgggggatcg gttaggntgc tttaatctac tatcaaagga cacgccaagt 180
gtgtggaatt tgtcaagagc tttaacctgc ctatgctgat gctgggaggc ggtgggttaca 240
ccattcgtaa cgttgcccggt tgcctggacat atgagacagc tgtggccctg gatacggaga 300
tcctaataga gcttccatac aatgactact ttgaatactt tggaccagat ttcaagctcc 360
acatcagtcg ttccaacatg actaaccaga acacgaatga gt 402

```

```

<210> 158
<211> 546
<212> DNA
<213> Homo sapiens

```

```

<400> 158
actttgggct ccagacttca ctgtccttag gcattgaaac catcacctgg tttgcattct 60
tcatgactga ggtaacttta aaacaaaaat ggtaggaaag ctttcctatg cttcgggtaa 120
gagacaaatt tgcttttgta gaattgggtg ctgagaaagg cagacagggc ctgattaaag 180
aagacatttg tcaccactag ccaccaagtt aagttgtgga acccaaaggt gacggccatg 240
gaaacgtaga tcatcagctc tgctaagtag ttaggggaag aaacatattc aaaccagtct 300
ccaaatggat cctgtgggta cagtgaatga ccactcctgc tttatttttc ctgagattgc 360
cgagaataac atggcactta tactgatggg cagatgacca gatgaacatc atcatcccaa 420
gaatatggaa ccaccgtgct tgcataata gatttttccc tgttatgtag gcattcctgc 480
catccattgg cacttggctc agcacagtta ggccaacaag gacataatag acaagtccaa 540
aacagt 546

```

```

<210> 159
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(145)
<223> n=A,T,C or G

```

```

<400> 159

```

```

acttttgcta taagtttctt aaaaatattt aatacttttt tttttcaatt taaattaaat 60
ctnttgatga acaggggggg gntggcaaaa tttccaagcn ctggactgga attttganan 120
aggcatttac ngaccctnat aactt                                     145

```

```

<210> 160
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<400> 160
tgtaaatcgc tgtttggatt tcctgatttt ataacagggc ggctgggttaa tatctcacac 60
agtttaaaaa atcagccccct aattttctcca tgtttacact tcaatctgca ggcttcttaa 120
agtgacagta tcccttaacc tgccaccagt gtccccctc cgccccccgt cttgtaaaaa 180
ggggaggaga attagccaaa cactgtaagc ttttaagaaa aacaaagttt taaacgaaat 240
actgctctgt ccagaggctt taaaactggt gcaattacag caaaaaggga ttctgtagct 300
ttaacttgta aaccacatct tttttgcact ttttttataa gcaaaaacgt gccgtttaaa 360
ccactggatc tatctaaatg ccgatttgag ttcgcgacac tatgt                                     405

```

```

<210> 161
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(443)
<223> n=A,T,C or G

```

```

<400> 161
tttgctttta atgaaggaca agggattaag acncatagag actggccana caaatgggaa 60
accgaccaga ccagcccatg accaaaaatat cacaggcaga ccaccacaa atgcagaggc 120
ctcagagtc acagtgggcg gttggaaccc agggccccag ggaatctttc agctgcattc 180
cggctgtgat cggcgggcaa caggtagagg tgctggaggg ggctgagtcg tgattttcgg 240
tgtctgtcat attcgatcaa gtgtgtcata gagcttcctg tttcatctcc cagttattca 300
aggagagggt ggtggctcca ccttcccagg aactgtgctg tgaagatctg aagacaggca 360
cgggctcagg caccgcttgt ctggaatgtc aatttgaaac ttaaaaagca gcgaccatcc 420
agtcatttat ttccctccat tcc                                     443

```

```

<210> 162
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(228)
<223> n=A,T,C or G

```

```

<400> 162
tcgttatcaa aatggaagac accaaaccat tactggcttc taagctgaca gaaaaggagg 60
aagaaatcgt ggactagtgg agtaaatttt atgcttnctc aggggaacat gaaaaatgcg 120

```

```

gacagtatat tcagaaaggc tattccnagc tcaagatata tnattgtgaa ctanaaaata 180
tagcanaatt tgagggcctg acagacttct canatacntt caagttgt 228

```

```

<210> 163
<211> 580
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n=A,T,C or G

```

```

<400> 163
acccaaggct acacatcctt ctgtgaaaca gtctcacgga gactctcaga atcccaagaa 60
ttttcttcaa ccttcttttg ttttgattct gaagggaaca tctgatctgc tctcaatgtt 120
tgttcattct tcaattccaa ggctttatct ggaacagact ttgcatttca atggcaggct 180
cgaaggcaga tggcttctcg ggaggctctg ctttgaaagt ttgcntgtcc atcaattcta 240
aggctttagn tggaatagaa actttcattc tgcagggagc cttcagaaaa ccatcattat 300
caggagactc ttctaatttt ccatttattt tatctatttc tttttgatgc gcagccttgg 360
gtanacacac atccttctgt gaaacagtct cacagagact ctcagaatcc caagaacttt 420
cttcatagtc cttttgtttg gattctgatg ggagtatctc atctgctctc aatgtttgtt 480
cattcttcaa ttccaaggct ttatttggaa cagacttttg catttcaatg gcaggctcga 540
aggcagatgg cttctcggga ggctctgctt tgaaaagtgt 580

```

```

210> 164
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(140)
<223> n=A,T,C or G

```

```

<400> 164
acttatatct tttggncttg ggcttctcaa agttcacgac agacataggc actctcacag 60
tatcaagccc atttaccgnc acctcacacc aatactcgcc ccaccgngng ataggntctg 120
ctggnaactt taatgnatgn 140

```

```

<210> 165
<211> 370
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(370)
<223> n=A,T,C or G

```


<400> 165

```

acatggagcc actgccacca gtggtgatgg aaagcactgc cttcttactc cggaaggggtc 60
ctttgtcata catggcagcg taagtgtgaa caaactctcc tatgaacact cgctcaaacc 120
agcctttcag aatggcaggg actccaaacc actgcnnngg ggaactggaa tatcacaagg 180
tctgcggctt ccagcttctt ttgttcagcc acaatatctg ggctcanatg gncttcttta 240
taagccagaa cagactcggg aggatactga aagtctgcag ggnccttcan tttacctgng 300
atgncctttt tggaaatgat gggattgaag ntcatggnat aaaggnccga ctncaccacc 360
tccattcttt                                     370

```

<210> 166

<211> 258

<212> DNA

<213> Homo sapiens

<400> 166

```

gtcaaaagtc atgatttttta tcttagttct tcattactgc attgaaaagg aaaacctgtc 60
tgagaaaatg cctgacagtt taattttaaaa ctatgggtga agtctttgac aagaaaaaaa 120
aacaacaaa cacttctttc catcagtaac actggcaatc ttcctgttaa ccactctcct 180
tagggatggg atctgaaaca acaatgggtca ccctcttgag attcgtttta agtgtaattc 240
cataatgagc agaggtgt                                     258

```

<210> 167

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(345)

<223> n=A,T,C or G

<400> 167

```

ggtcagccaa acaccagga tctctgtaaa actgaagaac aggncaatgc caccaacaaa 60
tctcaaaacc tctccagcat attctcctat gattggagca catggngagc acnantgggtc 120
acttttaaca canctagcca gacaggngnc atttgggtta acacttcgga acccacagca 180
ntttanantt ctctggatgt catttcgagc acttgtatct attggtcann tttctgtatc 240
tngcgcttgg ttagccctga accaggagca acagggncag cttctggagg ntgggttgaa 300
caatacggca agtgntngaa atgacatcca acctncngaa atgac                                     345

```

<210> 168

<211> 61

<212> DNA

<213> Homo sapiens

<400> 168

```

gatagtgtgg tttatggact gaggtcaaaa tctaagaagt ttcgcagacc tgacatccag 60
t                                                                                   61

```

<210> 169

<211> 344

<212> DNA

<213> Homo sapiens

<400> 169

```
acattggtgc tataaatata aatgctactt atgaagcatg aaattaagct tcttttttct 60
tcaagttttt tctcttgtct agcaatctgt taggcttctg aaccaagacc aaatgtttac 120
gttcctctgc tgcataccaa cgttactcca aacaataaaa aatctatcat ttctgctctg 180
tgctgaggaa tggaaaatga aacccccacc ccctgacccc taggactata cagtggaaac 240
tgttcattgc tgatgaatgc agcagtcacc aaaaaataca cccaatcttc cagataacct 300
cagtgcactt taggaaatca aaaattacct ggaagcaatt tagt 344
```

<210> 170

<211> 114

<212> DNA

<213> Homo sapiens

<400> 170

```
agcagtgtgt cctccatgaa taaacaggag ttctggaggc ccattcttctg catcttctgc 60
tgattgttct tccccaatct tacttaaatc ccacacattc aggcggcggt cagt 114
```

<210> 171

<211> 150

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(150)

<223> n=A,T,C or G

<400> 171

```
actgagagca tttataatct gaccaaattc ataggcatta ttaggcttgg ctatcggaag 60
tttctcaggg tcttctggng acctgctgct tttgcctccc ttctcanaag caaggcatcc 120
catggagacc tcccctgcag ggcttccagg 150
```

<210> 172

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(435)

<223> n=A,T,C or G

<400> 172

```
atttgttttc cactgcctca cactagttag ctgtgccaag tagtagtgtg acacctgtgt 60
tgtcatttcc cacatcacgt aagagcttcc aaggaaagcc aaatcccaga tgagtctcag 120
agagggatca atatgtccat gattatcttc tggtttaggt ctacagtcaa tgtgatggtg 180
gtctttgctt ccagtcctgc cagaatatct ttgtgcttct ctaatcattg gctttaaagc 240
taatcaatgt gttggcagca tctctgtcac tcttgtttaa cacgtgaaga aatcaggtag 300
atTTTTTTTc gtggcattgt tttcggaact aaaatcaggt atgctgacta tttccaaggg 360
gttttttcagt tgcttcattt gcttgtaaag cagggaatcc tcttgntgct tttctttttc 420
tcgatgagcc cgtgt 435
```

<210> 173
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n=A,T,C or G

<400> 173
 actgntttcc cccaagtcca tgacatgtat acataattaa tggtttgcct ccttgattgt 60
 tttctccaac atccagacat agaggctgac caacgctttt aatgtatcca gatataacag 120
 gattaaggctc tggcacatac acctctggat aaatgttggt cagataccat gtaaaatttt 180
 tactactgaag gcggtgtttt atttcaaatac tttttgaaag atcaccaaata gctttttgtt 240
 taacaatttt tgctgcatct gtattttctcc tataaaatat ttccttgat tcatccatcc 300
 agacttctgc aaggcgaaact tggtttctag caatcacctg agtgcctttt ggaaagctat 360
 gagggctttt gctgcgaaaa acatgtccaa caacagagca aggcataatc tccaactgcc 420
 caccacattg ccatactctg aaagacattt ctatattttc acctccccag atttccattt 480
 cttcatcata gcttccaata tactcaaaat atttctttga tatggaaaaa agtcctcctg 540
 caaaagtggg tgttttaatt gggtagggtt catctttcct tctttgcttc tcatgatcag 600
 gaagcgactt ccaccaatg aa 622

<210> 174
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 174
 acggtgcagt tgaccactg ttggctctcc ttgcagttcc tgatatgtca tcttttagcat 60
 gtggctactt acgtaatctt acctggacac tttctaattc ttgccgcaac aagaatcctg 120
 caccctcgat agatgctgtt gagcagattc ttcctacctt agttcagctc ctgcatcatg 180
 atgatccaga agtggttagca gatacctgct gggctatttc ctaccttact gatgggtccaa 240
 atgaacgaat tggcatgggt gtgaaaacag gagttgtgcc ccaacttgtg aagcttctag 300
 gagcttctga attgccatt gtgactcctg ccctaagagc cataggggaat attgtcactg 360
 gt 362

<210> 175
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n=A,T,C or G

<400> 175
 acagntnctc tactacactc agcctcttat gtgccaaagt tttctttaag caatgagaaa 60
 ttgctcatgt tcttcatctt ctcaaatac cagaggccga agaaaaacac tttggctgtg 120
 tctaaaactt gacacagtca atagaatgaa gaaaattaga gtagttatgt gattatttca 180

```

gctcttgacc tgtccctctt ggctgcctct gagtctgaat ctcccaaaga gagaaaccaa 240
tttctaagag gactggattg cagaagactc ggggacaaca tttgatccaa gatctttaat 300
gttatattga taaccatgct cagcaatgag ctattagatt cattttggga aatctccata 360
atttcaattt gtaaacctttg ttaagacctg tctacattgt tatatgtgtg tgacttgagt 420
aatgttatca acgtttttgt aaatatattac tatgtttttc tattagctaa attccaacaa 480
ttttgt                                           486

```

```

<210> 176
<211> 461
<212> DNA
<213> Homo sapiens

```

```

<400> 176
accctggcca ctcttttctt tttggctggc caatgtctcc tctgtaggct ccagaaggct 60
ctcagggatg caggcggcct cctgcagggt tgagttgcaa tgggaacaaa gacagctgtg 120
gtcccatagc accctcatct ggtgacatcc tgctactgac agtcaaaaga agccttccca 180
gatgaaaattt tagtcctctg cgcagccatg ctcttcttcc agcaaaagag ccatgtgcag 240
tcgggtctgc tcccatggg ggctttgatg tgggccacgc agtggatcag ccttccagac 300
acgtcgaact ctgcacactc ttcttgcgc ctcaggcttt ccaggaccct cccgagcctt 360
atcagagtcc ttaccctcag ggctactgat accttgctgg gtgaccttgg acagattcac 420
ttacctggac tcagtttcat aatatgaaaa tgatagggtt g                                           461

```

```

<210> 177
<211> 234
<212> DNA
<213> Homo sapiens

```

```

<400> 177
acacattttg taattacctt ttttgttggt ttgtagcaac catttgtaaa acattccaaa 60
taattccaca gtcctgaagc agcaatcgaa tccctttctc acttttggaa ggtgactttt 120
caccttaatg catattcccc tctccataga ggagaggaaa aggtgtaggc ctgccttacc 180
gagagcctaaa cagagcccatg ggagactccg ctgtgggaaa cctcattggt ctgt      234

```

```

<210> 178
<211> 657
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(657)
<223> n=A,T,C or G

```

```

<400> 178
gagctcggan ccctagtaac ggccgccagg gtgctggnat gngcccttgc gagcgnngcg 60
cccgggcagg nactttnatc cccctcatc ttctgttagc tcatttgtnt ctctcatttt 120
ttggcatatt tttcaagtca cacttaaaaa ctcttccatg tattcacttc tcatcacttg 180
gtctacatgc cgaaccttaag gtcaggattc caaaaagatg agtatcctct caaacgcctc 240
ctaagcctct ggtatacatg actttggctg tgcacttcat ttagacttca cctttttggt 300
tgctgttggt ttttacacta gattcctttg tcttcattaa agataatgaa agattcacat 360
cacagtgcag ctcttcgctt tgtcctttcg taagtccgta gcaactgccg agagttctgg 420

```

```
tctgctaggc atgtgtgaaa tccgctttgt ggctctctgt gatttggtcc gcttaacggt 480
tttatttgtc ttattttacac atgccaaggt ggcaacgtga aaaatgtctc tgacgctatt 540
ttccgactgt aaagctgagc attcgatata agtagctgct ccaatctggt tggccatact 600
tgccccctgg tcataggaca ctggcgtctg cctgtgattg gagagctcta ctaatgt 657
```

<210> 179

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(182)

<223> n=A,T,C or G

<400> 179

```
acaaaanctt ttaaatttta tattattttg aaactttgct ttgggtttgt ggcaccctgg 60
ccaccccatc tggctgtgac agcctctgca gtccgtgggc tggcagtttg ttgatctttt 120
aagtttcctt ccctaccag tccccatttt ctggtaaggt ttctaggagg tctgttaggt 180
gt 182
```

<210> 180

<211> 525

<212> DNA

<213> Homo sapiens

<400> 180

```
acacgctttt ggccccgacc aatgaggcct tcgagaagat ccctagtgag actttgaacc 60
gtatcctggg cgaccagaa gccctgagag acctgctgaa caaccacatc ttgaagtcag 120
ctatgtgtgc tgaagccatc gttgcggggc tgtctgtaga gaccctggag ggcatgacac 180
tggaggtggg ctgcagcggg gacatgctca ctatcaacgg gaaggcgatc atctccaata 240
aagacatcct agccaccaac ggggtgatcc actacattga tgagctactc atcccagact 300
cagccaagac actatttgaa ttggctgcag agtctgatgt gtccacagcc attgaccttt 360
tcagacaagc cggcctcggc aatcatctct ctggaagtga gcggttgacc ctccctggctc 420
ccctgaattc tgtattcaaa gatggaaccc ctccaattga tgcccataca aggaatttgc 480
ttcggaacca cataattaaa gaccagctgg cctctaagta tctgt 525
```

<210> 181

<211> 444

<212> DNA

<213> Homo sapiens

<400> 181

```
acaccacaat gtgcatcaag gagacgtgcc gattgattcc tgcagtcccc tccatttcca 60
gagatctcag caagccactt accttcccag atggatgcac attgcctgca gggatcaccg 120
tggttcttag tatttggggg cttcaccaca atcctgctgt ctggaaaaac ccaaaggtct 180
ctgaccctt gaggttctct caggagaatt ctgatcagag acaccctat gcctacttac 240
cattctcagc tggatcaagg aactgcattg ggcaggagt tgccatgatt gagttaaagg 300
taaccattgc cttgattctg ctccacttca gactgactcc agaccccacc aggcctctta 360
ctttcccaa ccattttatc ctcaagccca agaatgggat gtatttgcac ctgaagaaac 420
tctctgaatg ttagatctca gggg 444
```

<210> 182
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 182
 acaaccttta ttgcttctcc agcattttcc agaagaatgg tgtcattaga gggccacagg 60
 ggatggggga gtaaaaaata acataaacga actgaacaga aatgcaggag ggtggcaaga 120
 ggggccgaga ttgggtgttc agggcagaga ggtggaagac caggggcagt cagtgccttct 180
 tagctttcag ccaccagagt ggagaattcg tcaaccccaa ttttgccgtc cccatctttg 240
 tctccagcag ccatcagcat cttggtttct ttagcagaca ggtctctggc atctggggag 300
 aagcctttta ggatgaatcc cagctcatcc tctctgatga agccactttg tccttgtcca 360
 gcatgtgaaa caccttcttc acatcatccg cactcttttt cttcaggccg accattttgga 420
 agaacttttt gtggtcgaag g 441

<210> 183
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(339)
 <223> n=A,T,C or G

<400> 183
 tgtntcatcn taaggggatt gggctctaga tctgtcgcgc gcgcattgag gatttgcnat 60
 cgggttangtg gtccgcgagt catgaatttt tgctctggag cgttattgtt tgtgaagttt 120
 atccaggaga gaactatgat tgtgtcgcgc cgtttactgc aggaagantc acgggtctcag 180
 tcacggaggt gtaaggggtg actgactgan tgagacaagg gatatntngt tnttatannc 240
 ttgtgatgaa cctgcctacc gtttatgtct ctttgctaag gggctctcng tncgtgnatt 300
 cncncaagct gcgggggctt ccncgggtct gggctctga 339

<210> 184
 <211> 490
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n=A,T,C or G

<400> 184
 atatagcaag cttgtacgac cgacacatac ggcgcatgtg gctggattgc ttatcttgtc 60
 gcgcgacgtc tatataancg anactacata gtctcggaaa tccactcant ttcaagttcc 120
 caaaanacng ganaaaaacc catgccttat ttaactaanc atcagctcgc ttctccttct 180
 gtaaccgcgc ttntngctcc cagcctatag aagggtaaaa ccacactcgc tgcgncagtc 240
 atcnnataac tgattcgccc ggggtactgcc gggcggcgct cganaccaat tngcanaatt 300
 cacacattgc ggcgctcnan aagctctaga aggccaatcg ccatattgat ctatacat 360
 tggccgtcgt tnacacgtcg tgacgggana ncctggngta ccattaatcg ctgcacantc 420
 ccttcgcagc tgggggntac aaaagccgcc catcncctcca cggtgcgncc gatgggcaagg 480

acnccctnat

490

<210> 185
 <211> 368
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(368)
 <223> n=A,T,C or G

<400> 185
 ctanmanatag cangcttgta cgaccgacac aatacggcca ntgtgctgga ttcgcttcag 60
 cgccgcccgg gcagtaccgg cgctcatcta tcngatgatg gcgcaccaat gtgggggtttt 120
 aaccttttta tatggctggg gacanaaagc gcggttacnn aaccnataac gagctgatgg 180
 tcatttaaaa atgcttgggg ttttcccggg cttttgggga attgaaactg agtgggactt 240
 canaaactgt gctactttcg cttatctaag tactcggccg caacacctag ccgaatccgc 300
 anatatcatc acnctggggc gcgtcancat gcntctaaag ggccaattcn cctanatgag 360
 tcttatac 368

<210> 186
 <211> 214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(214)
 <223> n=A,T,C or G

<400> 186
 ngggagatcg cagcttgtag gactcgatcat ataacgnnca atgtgctgga ttcgcttcanc 60
 gccgcccggc gtctaactcg gttcgggattn tgtgtgnttt gtctntntta canggtgcta 120
 tcccccttctt cctcctcctc tgccatcctc atcctttatc tccttttttg acaagtgtca 180
 nancagacag angcaggggtg gtggcaccgt tgaa 214

<210> 187
 <211> 630
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(630)
 <223> n=A,T,C or G

<400> 187
 cagctgggac gagtcgatca tatacggcgc atgtgttgna tcgctatcgt gtccggcgag 60
 tanttattan attactgtta tttctgctcc tactggatat gatctcttga nggcangtct 120
 gtgtcgtctg gtcacaccat gttctcaggc tgggcaaata ccttcctata atagtttatg 180

```

gataatgaat gacgactang tctanaaana cgctagctaa ataacacact cagggaaaga 240
gtctttaaata ttgtgaaggt gtttttanta tacaacnttt gtttacataa taggaaataa 300
tttttagact tttaaacaga cacttgagcc agatttgta atgttaccat ctatagtgtc 360
ttgaaaatat tcctcttagt ttccaatatg aatgaatcta aaatccatct tttcaattat 420
gccaggcccc gtggccaatg cncctcnac acttcattaa cggattatac cttgggaaac 480
cataatctgg cntaggacga atcgctggc ncangctaan aactgccctg tattgagggg 540
ttatnctga ttgcngaggt gcctctccag gtcccaag ggtcgtactg ttgaanctgg 600
ctctaanttt ntcttgccn acaggctctc 630

```

```

<210> 188
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n=A,T,C or G

```

```

<400> 188
cnngcaanac anggtcggat tccgntgagg naanaattcc ctnatagggc tcgcccccta 60
ttcaccaaac caancngaaa ctcttgcggt caaatctaag ctatnncaca accccactct 120
gnagggtatg cgccccgccc ctgcaatgaa atcaatanca ttttgaggaga cagagagata 180
gagagagaga ggttcctggc cttnnctatt ctgctcttac ttggnagatn tcaganatag 240
aaaaacctat cctaggctcn nccaatgatn gcggttncg aatcccgnng tggccantcc 300
ccggatcgga ctaaatacaa gaagatcctc cgtctcctg ttctccaca ctggagtc 360
attgtatgca tgggtntttc actggctnat cataccnag gatctgtcca cctnaactc 420
ttctctngga antcctncc c 441

```

```

<210> 189
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(637)
<223> n=A,T,C or G

```

```

<400> 189
aggngtata taccacttg tacnactcga tcatanacgc gcatntctga atcgcttnt 60
ggccgcgatg tactgtgggc acttaagcac tgagtactgt ttgcgtcatg ccnggtcana 120
agatgctgct gcaaaggac tccaacnaaa tacactgtct tcaacaggag ttaacacctc 180
acacttgggtg ganaanagaa ctactgggtg gtgatgcaca cgactgnatc catcaagtgc 240
gtttgctgtg tgactgctaa ccaaggctct ggagtagctt gcccgggcgg cgctcgaaac 300
caaactgca aatatcatca cactggcggn cgctcagcat catctanaag gccatcgct 360
atagttagtc tatacatcat ggccgcntht acatcctac tggaaaacct gcgtaccact 420
taatcgcttc acacatcccc tttcgcntht gcttatancn aaaagccac gatgcctcca 480
cattgcncnc tgatggcatg ancccttac gcgcatancc gcggtntgtg taccncangt 540
accgtntctg acgctaennc tcttcttct cctcttcccc ttcccgcttc tcaccattcg 600
gggccttagg tcnatatctc gnccacccaa atntagg 637

```


<210> 190
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(653)
 <223> n=A,T,C or G

<400> 190
 aggggggtata taccacttg tacgactgna tcatatacgc gcatgtctgg aatcgcttnc 60
 gtggctgcca tgtattgaca ctacttctaa gaactacaaa agtgatactg angatacatt 120
 acacagaang gctnacattc tcncagatcc tcatttntca tgatatgtgg acatcangan 180
 cacgtggata agtgtatcta aanaatggct ttcaaaaatat ttccacttta ttaaggtttg 240
 acatganatt cataaaatgt cttaataacta tttctnaaaa taacatctaa tcggaaacta 300
 tgcctnaact gcacnttttn tgtgtanata atcntanttg tacgcccggc ggcgccaaaag 360
 ccnaatctgc gattcctcac ctggcgccgc tcaacatcat ctaaaggcca atcgcttata 420
 ntantctata catcctggcc gcgtttacac gtctaattgg aaaccggcgt accacttatc 480
 gcttgagca ctcccttcc cactgggtta tacnaaagcc gcncgatgcc tcccacattc 540
 canctgatgc aatgaccctt gtctgcctta ncccgcggtt tgtgtaccca ntnaccacnt 600
 cagcgctgcn cntcttctt ctctcttct gccnttncgt tccctcactc nng 653

<210> 191
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(663)
 <223> n=A,T,C or G

<400> 191
 angnggtata taccactgt ncgactcgat catatacgcg catgtcggat cggctccanc 60
 gcgcggcat gtactatct tacatcaact gtattatcat ttanatattg atnaaaagaca 120
 aaatcatact tccatctgct cactgatgat aattactatg atacatgatc atgtaaactg 180
 atcaatataa caatggaaga tccctctgac tatgcaagcc taattttcca atcncatgca 240
 ctctcatagc tcaaanatnt cacngacatc ctgatgaaac tatnatacan ttccacaca 300
 aatcacttcg cttagatct ctccattatt ctgtcttttc cccctaaca actacaaatc 360
 ctcttggtgat gggaagaata tatatcatct actaaaata atatataatc ccctgcanat 420
 ttgtggnaaa tcnggtgtct caanagccac aggagnacaa gggggnacca actaggactt 480
 ttgtatgctt atctctgtac tcgcgcacac ctaagcgatt ctgcnattct ccctggcggc 540
 gtcacancct tanaggccat cncnatatga tctatacatc ntggcgtctt tacactctga 600
 cggaaccgg gtnccantta ccctggacca tcccttcgcn ctgntatata aagccccga 660
 ncc 663

<210> 192
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n=A,T,C or G

<400> 192
 antttttata taccactgg tacaactcga ncctatacgg cgcanttncg gaatcanctt 60
 cancggcgcc ggcatgtacc ggtnatcatc atcngatgat ggcgctcnaa tgtggggttt 120
 acctnttata cggctgagat canatcgcg acataacaaa nncaactgat ggtnaatnta 180
 aatncgggttg gggtctcccn ntctgttggg gaacttgana ctgagtnga cntccatana 240
 cgtgctattn tcggctannc antctcagc gnacacctat ngnagtgcgc naattcatcc 300
 atgntggcct cgactnttcc aaaangccnt ncgcccacnt gntcgcnana cantctcggc 360
 c 361

<210> 193
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(314)
 <223> n=A,T,C or G

<400> 193
 agggngnata taccaactgg tncgactcga tcctatacgc gcatttcgga ttcgcttcaa 60
 cggcgccggc atgtaccaa cctcaatccc aaccgtctca nttngacggg ctgagttctg 120
 tcacagccac cccacatttc ttttggtttg tctgccactt caaaagaatt ccaaataaga 180
 attctgtgc agctccgtac aaggatatgg gcagcacagc acacacagag tngtgctcct 240
 cacacttctc tgnaatgtc tcgtgaatat ctcaacagtc angaagtggg gcgttatcaa 300
 aaacaatcag ggcc 314

<210> 194
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(550)
 <223> n=A,T,C or G

<400> 194
 agggngnata taccactgg tncgactcga tcctatacgc gcatgtcggg ncgctatgtg 60
 gtcncgcaag tacctcttct gcagtgatgg tctgtntcct ctatgatnag tgatcgaata 120
 atcatcgaat tcancgaaag ttattcgagt gatatntgtg gcttgtagaa tctatgctcc 180
 atgggtgtgg cactgtcaag attaacacag aatggaagan ncngcactgc ataaaagatg 240
 ttgtcaaatt ggggtgcgtt atcngatagc tcntcccaag aggtcantgg tgttcaggat 300
 tncnacataa gatnttggat caccngacga ccagangata ccngtgcaaa ctgtgaancn 360
 ngtaatctgc ctatncctgc cctctcggan gatccctcgg ggacgacgag atcattctgg 420
 aaacagcnan tgatagtcca gtnnangatt gatganccgac ganacgcntg atanatgtct 480

gacgtgagat tnggatgtga atcttccent gtgtgacctg cncntaccn aanggtgcgn 540
ctccactcnn 550

<210> 195
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(452)
<223> n=A,T,C or G

<400> 195
nngcgggnat gataccaact ggtacgaact cgancctctat nacggcgctn tttcnnngatc 60
tgctatgtgg tctcggcaat gtacattata acngggcana catataatct acntctgtct 120
ttntctcccc cngagagcgc aancatctcc aaatcgggtt ctgggtcatc caatgggtctc 180
cantaatcac acaactcata tataatttatg gaangtgtct gtcacgtcc ccacgangga 240
agtnnecgtcg ctgtntgtct gtcactaggt gngtactctc cagtacttga aancctggtna 300
nggctgtctg tngtactggc cggcgccctc gaaanegaat ctgtnnatat catcacatng 360
cgncgcccga ncatcactna gggncanttc gcctatactg atcgtntgcg anncctgcgn 420
cncttacacg tcgnacggga naccggcctt cc 452

<210> 196
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(429)
<223> n=A,T,C or G

<400> 196
gcgggnnnat gataccagct ngtagcactc gatectataa cggcgcatgt gngtatcggc 60
tacgtgtctc ggcgatgtac atataacggg gcaacatata atnatacant ctgtcttttt 120
ctccccgga aacggcaacc atctccaata tcggtctggg tctccaatgg tctccaacta 180
aatcacacaa gtcaaatata nttanggaaa gtgtctgtct cntccccaga aggagtancg 240
ttagctgttg tctgtcatta ggttggtacc tccagtnaca tgaaaactgg tgagggtgtc 300
cttgtagaag ctctgcctca ccagatccta tactattagg gggcccacgg ttatctatct 360
taagggtctn aaaacctgga cttcatctgc tccggcggan gaatgtcccg cttacttacg 420
ntgttccac 429

<210> 197
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(471)

<223> n=A,T,C or G

<400> 197

```
atgatacgca gctngtacga gccgtcacta tnacggcnca ttgtgtggat tcngctntga 60
tcggcgcccg ggcatgtcca tcnagagcgc atcatgggan tgnactcccc atatnntgac 120
caangttcgc gcaaggagcc naganccgat actacctgag ctgtcgtctn gttatacacg 180
tttctggcca angancaact ccacatncaa caagttggtg ttgaaatgtt gtttatnagt 240
ccaccaaccg gccgctctgt cccttcccga tgatccgaag ataagcttcc tgtccggaan 300
acgaacggcg tgggtgtgngg acatantgat atgtgcgggt caggaagtac tcgncgcaac 360
ncgcaagcna atctgcnata tcatcacctg gcggcgctcg agctgccana ngcccnttcg 420
cctatatgag tctatacatt cctggccgctc tnttactctc ngacgggaaa c 471
```

<210> 198

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(643)

<223> n=A,T,C or G

<400> 198

```
tngtncgacc gtcactatac gcccattgtgt ggatccgntc cacggcgccg ggcangtacg 60
anactatatt gatcctctga tattgaaagt tgggtctanca ataaccttta angcaaataca 120
ctcantgagt tttgaccaga agtcaccaca tcatgaatca cagtctatgg caaatgatac 180
cagtgtctct aagtcctatg ctcaaggtaa gagcatgcta ttccgtttta catttactgg 240
aatttactgt tcattcatna ttaaaatctc tagttttcat cctcaactgt ctaanaccag 300
tgtgcacaga cttaagactc tgttctcctc attttctcca acagaaacat tctcagtgtc 360
tactgttcta aaagggaatt tccgaggtgg cacttctcgg aatatcgacc ctcnngctct 420
atcaggcggt acttcnngca ctcgatcatt gggcttggtc anttgtctta tctgtccagt 480
cacttcattt taagaaaaca attgatcgct ggtcacatgt nattcattgg cagccggtgt 540
gactgctgag tctcgcgcac acnctagcaa tcgmnattct ccatggngcg tcactctcta 600
naggccatcc cctatatgat ctataatctg gcgtctttac act 643
```

<210> 199

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(292)

<223> n=A,T,C or G

<400> 199

```
ncggcnaggag ttcgcagttg nacgaccgat cctatacgnc gcatttctga tccgctacnt 60
gtccggcgag tctatgctat ttatttntga ttaaatcaat attttctttc tgaatattaa 120
tcttatctnt acttttatac tattgacctg gctatatgta ttganctttt tgaactccta 180
tcagtntttt tcatgctatc gtatattttc cacttggtac ctntngctga ntcctagata 240
tcgtaaaaca tctctnnatc ntcacacnga gnccagggnt ctgtatngaa tt 292
```

<210> 200
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n=A,T,C or G

<400> 200
 atacgcaagc ttggtaccga gctnnggatcc ctattaaccg gccgcaatat tctggaattc 60
 tgcttanctg ggtcncggcc gaagtactat gctatnttac ttttttggga tataaaatca 120
 atatatctct ttctnaagta tataaatctt atccnctgat cnttcnatac ctntctgaca 180
 ntaagcttat angtatntga tctntgttga actcctatca agtgntttcn catgctatcg 240
 tganntcttc cacnttggtg ccttttacgc tgaat 275

<210> 201
 <211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(284)
 <223> n=A,T,C or G

<400> 201
 cgmnmatcca gtgtanaccg tcnttacgcg cattctgatc gttcacgccc gcgtctttat 60
 atctatctcg actgattcac ctgtcattgt aaanaattcg tgtcagctgt ctaccnctta 120
 nacatcatct aatcnaacta ncctgataaa tttcttcaat aggatanac ntntagtaga 180
 tacgnttcca ttgagntach tccgcggacc cncatcgcaa acnncatgcg gtcagtcnna 240
 gcatcctcta tcttaatccg tccttacnt ntgaacgctc cact 284

<210> 202
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(448)
 <223> n=A,T,C or G

<400> 202
 atgatacgca agcttgtacg actcggatca tataacggcc gcaatgtgct ggaattccgc 60
 ttcgacggac gccgggcatg tacttttata atnctactcc tcagaccttg catctcnacc 120
 gctnngtcca gtttgtaaaa acnnacttcc gtngtgcagc cctgggtctg ancantctct 180
 atcacnctct atcctncat ccncaanact anatcgctg aattcatatt tattcatttt 240
 ccataatgat gggggaanga ctatcnctna tnatgcttan cacnctngct gcanttcgnc 300
 natctcgna ngcntgaaac gattactctg tcgcgaacct tctangntga attctgnaa 360
 atatctntna cncctggcng cgctcnangn atgcctctcg anggccaatc cgccnngcat 420

gatttctaatt anattccntng gtcccntt

448

<210> 203
 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(321)
 <223> n=A,T,C or G

<400> 203
 ggggtgcnaga tcgcagtngt acgaatcgnt catatacggc gcatgtgntg antcgctacg 60
 tgtccggcga ngtaccatat aatcgaanta ncatagttct ggangcccnc tcattttcaa 120
 tttcccaaaa nacgggaaaa ccnaagcctt atttaactaa ctatctgctc gcttctcgct 180
 tctgtaccgc gctatntgct nccagcctat aanaagggtg aaaccacac tcggtgcgct 240
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<210> 206

<211> 914

<212> PRT

<213> Homo sapien

<400> 206

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Ser	Leu	Lys	Phe	Asn	Ile	Thr	Asp	Asn	Val	Met	Lys	His	Leu	Leu	Ser
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Ala Ala Thr Gly Val Asp Thr Thr Cys Thr Tyr His Pro Asp Pro Val		
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Gly Pro Gly Leu Asp Ile Gln Gln Leu Tyr Trp Glu Leu Ser Gln Leu		
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Pro Thr Ser Ser Glu Tyr Ile Thr Leu Leu Arg Asp Ile Gln Asp Lys		
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Ala Leu Phe Ser Ser Asn Leu Asp Pro Ser Leu Val Glu Gln Val Phe		
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Gln Leu Val Asp Ile His Val Thr Glu Met Glu Ser Ser Val Tyr Gln		
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Pro Thr Ser Ser Ser Ser Thr Gln His Phe Tyr Leu Asn Phe Thr Ile		
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Thr Asn Leu Pro Tyr Ser Gln Asp Lys Ala Gln Pro Gly Thr Thr Asn		
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Tyr Gln Arg Asn Lys Arg Asn Ile Glu Asp Ala Leu Asn Gln Leu Phe		
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Arg Asn Ser Ser Ile Lys Ser Tyr Phe Ser Asp Cys Gln Val Ser Thr		
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Phe Arg Ser Val Pro Asn Arg His His Thr Gly Val Asp Ser Leu Cys		
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Asn Phe Ser Pro Leu Ala Arg Arg Val Asp Arg Val Ala Ile Tyr Glu		
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Leu Asp Arg Ser Ser Val Leu Val Asp Gly Tyr Phe Pro Asn Arg Asn		
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Glu Pro Leu Thr Gly Asn Ser Asp Leu Pro Phe Trp Ala Val Ile Leu		
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Ile Gly Leu Ala Gly Leu Leu Gly Leu Ile Thr Cys Leu Ile Cys Gly		
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<212> DNA
<213> Homo sapiens
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<211> 282

<212> PRT

<213> Homo sapiens

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Gly	Arg	His	Ser	Ile	Thr	Val	Thr	Thr	Val	Ala	Ser	Ala	Gly	Asn	Ile			
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Gly	Glu	Asp	Gly	Ile	Leu	Ser	Cys	Thr	Phe	Glu	Pro	Asp	Ile	Lys	Leu			
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Ser	Asp	Ile	Val	Ile	Gln	Trp	Leu	Lys	Glu	Gly	Val	Leu	Gly	Leu	Val			
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His	Glu	Phe	Lys	Glu	Gly	Lys	Asp	Glu	Leu	Ser	Glu	Gln	Asp	Glu	Met			
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Phe	Arg	Gly	Arg	Thr	Ala	Val	Phe	Ala	Asp	Gln	Val	Ile	Val	Gly	Asn			
			100					105						110				
Ala	Ser	Leu	Arg	Leu	Lys	Asn	Val	Gln	Leu	Thr	Asp	Ala	Gly	Thr	Tyr			
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Lys	Cys	Tyr	Ile	Ile	Thr	Ser	Lys	Gly	Lys	Gly	Asn	Ala	Asn	Leu	Glu			
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Tyr	Lys	Thr	Gly	Ala	Phe	Ser	Met	Pro	Glu	Val	Asn	Val	Asp	Tyr	Asn			
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Ala	Ser	Ser	Glu	Thr	Leu	Arg	Cys	Glu	Ala	Pro	Arg	Trp	Phe	Pro	Gln			
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Glu	Val	Ser	Asn	Thr	Ser	Phe	Glu	Leu	Asn	Ser	Glu	Asn	Val	Thr	Met			
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Lys	Val	Val	Ser	Val	Leu	Tyr	Asn	Val	Thr	Ile	Asn	Asn	Thr	Tyr	Ser			
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Cys	Met	Ile	Glu	Asn	Asp	Ile	Ala	Lys	Ala	Thr	Gly	Asp	Ile	Lys	Val			
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Lys Ala Ser Leu Cys Val Ser Ser Phe Phe Ala Ile Ser Trp Ala Leu
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Leu Pro Leu Ser Pro Tyr Leu Met Leu Lys
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<210> 209

<211> 309

<212> PRT

<213> Homo sapiens

<400> 209

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 35 40 45

Ala Ile Ala Leu Ile Ile Gly Phe Gly Ile Ser Gly Arg His Ser Ile
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Thr Val Thr Thr Val Ala Ser Ala Gly Asn Ile Gly Glu Asp Gly Ile
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Leu Ser Cys Thr Phe Glu Pro Asp Ile Lys Leu Ser Asp Ile Val Ile
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Gln Trp Leu Lys Glu Gly Val Leu Gly Leu Val His Glu Phe Lys Glu
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Gly Lys Asp Glu Leu Ser Glu Gln Asp Glu Met Phe Arg Gly Arg Thr
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Ala Val Phe Ala Asp Gln Val Ile Val Gly Asn Ala Ser Leu Arg Leu
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Lys Asn Val Gln Leu Thr Asp Ala Gly Thr Tyr Lys Cys Tyr Ile Ile
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Thr Ser Lys Gly Lys Gly Asn Ala Asn Leu Glu Tyr Lys Thr Gly Ala
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Phe Ser Met Pro Glu Val Asn Val Asp Tyr Asn Ala Ser Ser Glu Thr
 180 185 190

Leu Arg Cys Glu Ala Pro Arg Trp Phe Pro Gln Pro Thr Val Val Trp

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Asp Ile Ala Lys Ala Thr Gly Asp Ile Lys Val Thr Glu Ser Glu Ile		
	260	265 270
Lys Arg Arg Ser His Leu Gln Leu Leu Asn Ser Lys Ala Ser Leu Cys		
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 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(946)
 <223> n=A,T,C or G

<400> 211
 ggcacgaggc acatcgctgg atttctcatt gccaaagctct attaatcat tctttttcat 60
 aacctcttat tcttatttca tggatgcaac attttctttg tctctcaggg aataataatt 120
 attcctactt ttaaaggctct aatttcttta ttactttatt tctctgggag tgagtttttc 180
 ctaaagggat aatgagatgg aaaatgaaaa aacaaagtgt agacatggag ataccttctg 240
 aaactcaagc attcctctac gtggatgtgc cagagggaaa gaacagaaca aaggagggta 300
 gacactattt aaataaaaaat atataagaat attacataac aaacaaaaaa gcccaaatcc 360
 tcagggtgaa aaggaggaga aaatgtcaag caagacaaaa acagatgaag caaccaaaaa 420
 agtgacatag ctggtcacct atattgaaat ttcagaacat gagtgataaa ggactcccag 480
 aaaaaacaa aacccaaact aaaaaacaga aaaaaaggac ttaccaccn aaaacttgan 540
 gaatcaggaa gactcagtct ctcattaaga aaantgctat aggggatggg ggcaaggcct 600
 tcaaagtngc aggggatacc aataacctct ctgaagtttt ggaaacttcat actccaaaat 660
 ngaatttttg tttgaatagc cccggttagg ggccaatttt aggaacttaga aaggaccnng 720
 gnaaatcatt ccnnccttgc ccccccgaa agaaattaat agaaggggtt tattcccgcc 780
 attannaaaa aaggaatcca ggaattnccg nttttttcca gtgttangnt ggggntgtan 840
 aaactgaggg cttagcaagg gcggnattaa ccaccnngg tcccacccca aaantggmng 900
 ggggtggccc caaattcggg nttnttncct ttaangcgtt aaaccc 946

<210> 212
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n=A,T,C or G

<400> 212
 ggcacgaggt ttctggctgg agcctcggac actgggtcac tgcagttggt ggtgtcgaca 60
 gtggtangag ggcaaccagt aacgggagct tctcctgccg ggcaggaaga cgagtagaag 120
 ggagcgcat gctggaggct ggagcctgag cccctggggc tcgccttget gtgtttggtg 180
 gtgacgtggg aactgcagc tcggccagag tggtaaaaaa tgccttgggt tacgcttttc 240
 tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
 tggtagctg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
 gccacggaga ctgcagctcg acagggagtg aggccttctc ntggcttgaa agctcagctg 420
 actcccacga aatttgccg aaactcaagg ctgtcagtga cnttcgtggc gccaaagactt 480
 aancangcgc gttgcatgca tccggccagt gtctgtgcca cgtgccctga cnccaccttg 540
 anataancac ccggaacgcg cncgcgcgag gccgcgcgca cagncccggg cancaacttg 600
 gctggcttcc 610

<210> 213
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1) ... (438)

<223> n=A,T,C or G

<400> 213

```
ccganagcgg tttaaacggg ccctctagac tcgagcggcc gccctttttt tttttttttg 60
aaataaattt ctagattatt tattacataa gcagaccact gaaacattta ttcaaaagta 120
ttccattgag agtcaaaaac atattgatat gattattatt ggtctgttaa agaaaacaaa 180
ataaaaagaa caaactggga attatcaata aacaaatcaa aacttagatg taattataac 240
ctaaagggct cacagggcaa atgtgaagca agcttctgtc tcagagcctg catatggaag 300
acatgtagta cttagctttg gcatctttct ttctctctct tggttgagtt taagtattaa 360
taaaaggtgg actgagaaaa ccttttttta caatcttatg gggttattttt agtggaacg 420
ttttagaagt aggaatat                                     438
```

<210> 214

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (906)

<223> n=A,T,C or G

<400> 214

```
gccctctaga tcgngcggcc gccctttttt tttttttttt gaaataaatt tctagattat 60
ttattacata agcagaccac tgaaacattt attcaaaagt attccattga gagtcaaaaa 120
catattgata tgattattat tggctctgtta aagaaaacaa aataaaaaga acaaactggg 180
aattatcaat aaacaaatca aaacttagat gtaattataa cctaaagggc tcacagggca 240
aatgtgaagc aagcttctgt ctcagagcct gcatatggaa gacatgtagt acttagcttt 300
gncatctttc ttctctctc ttgnttgagt ttagtattaa taaaagttgg actgagaaaa 360
ccttttttta caatcttatg ggttattttt agtggaacg tttagaagta gaatatacat 420
attaaaactg cncagaacaa atgnggtgca tctcaaatgg nggtccattt tcaaaatatg 480
aacacatatg ggcagcantt ttttttttaa aaagtcagaa ggggcctnct catgcccctt 540
tccacttctt cactcattgg nccttcaacc caagcttaac tactntcctg acctccaaca 600
tcataaacta gtttccnagc tttgaaactt ttttccaatg agtcntaccg gaatagatgn 660
tcacagaanc ctcttaaaaa ttttggaccc tgcccgggnt ntaaaaaggg tgcaataaac 720
ccaccaacat cttggctggg ggggcagggg caaaagaan ttcccaaac cgtttttgat 780
naaaaaaggg gacttttgaa aaaaaaatta aaatttttgc cagnaaagca tgggnccccc 840
cccttgaana aacccctgc atnaaaccaa cnttntggga nttttttngg tanggttttt 900
ctggct                                     906
```

<210> 215

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (312)

<223> n=A,T,C or G

<400> 215

```

ggcacgagga aaccagggttg gctggggtttt ggggtgtaaac ttaaaaaatga caatcagcat 60
gagctggccg tgggctgtgg ggggtttagg ggcattcttg taagggaacc ctcgctcagt 120
ccctctctgt tctggtgggg aggacaagga gggccaatag gggccaatag ggaggctgct 180
gctaggangg tttcctaaaa gaacagggtgt agggctaggg ctggttctta gttcagggtg 240
ctctgggcag tgatttatat ccacacacct ttctgcaaag tgtcctaagg aganggcagg 300
gataggagtg tc 312

```

```

<210> 216
<211> 341
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(341)
<223> n=A,T,C or G

```

```

<400> 216
taagcctntc gaanataatg aatgagtcn ggagaggctn atgangaaat nccaaacacc 60
tgactaatng gtgccacatg attncaatgg nctanacatg ggtagatct cntcngngga 120
atgagcaata acaccnttaa antcntcaat tgacctagac acttcacact tgaaanatca 180
tcacttttna ngaccacgaa tgatgcttaa gaatcacatt ttgtgnngaa ntggantctg 240
gctacttaca cgaacagatt cttattcctg ttcatgagcc agtagaccgc gaanaagact 300
taagagcttc tganccttct cttagctcca nngcttgaan g 341

```

```

<210> 217
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(273)
<223> n=A,T,C or G

```

```

<400> 217
nnccttcncc ccttnacnga catgaacaaa acagcngtct ngaaatttta ttaacattnn 60
aagggttacn ctccctnctt ntgttttccg ntaaanncta nacctgcgcg ggggcggccg 120
atncagccct atagtgagaa gcctaattnc agcacttg cggccgttac tanngnatcc 180
cgactcggta ncaanttttg gngtaaagat ggacatanct ctatccnnga gnactcgtca 240
nccnttctct atnttacatg cnctaacgna gac 273

```

```

<210> 218
<211> 687
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(687)
<223> n=A,T,C or G

```


<400> 218

```

ttttcagtg  tgttttg  tcaattttga  tgtcaaaatc  tctgggttct  tctaanc  60
ttatgttctt  ccancaaatc  cttccagttt  ttgtaatttt  tttctatatc  agaagcgcct  120
gancccaatg  cccaattnat  acaccgggtc  tctccggaac  gcttggtcna  aagggtntag  180
tcnattnngc  tcctggaagc  atctnaaatg  ctccagggtta  ctcccangnc  cctggannac  240
ttcanttg  tanacgaatc  ctgggttttcg  agcgggtcctt  gatatcgcaa  ggaaatacgg  300
taaaaattat  ccaagctctc  ttcccactna  gganttcgga  tctcatcagc  cgggtaaagg  360
aaaactcctc  angaagtgtg  ggcttcccct  ccgggtctacc  ggctaattgt  aggaattact  420
tctgggtctc  ttccgataca  tcctctcttc  aaagtnaaga  aggttaaaag  aatnttaacn  480
tctcccagtg  gctaattggc  aaacaccatc  ctcatnagtc  agactggggt  ttcgaaagga  540
ggatataacc  tccttgcna  ttnnaattaa  aagggtatga  ccnatggac  tancctcnc  600
cccgggattt  nctctctcac  aggagaagg  gtctcncnc  ttgggtcatc  cgaagcatag  660
gcaaaccn  ggaattttc  agaaacc  687

```

<210> 219

<211> 247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(247)

<223> n=A,T,C or G

<400> 219

```

gggcccttcn  cctttnaatc  gagagatcca  aggttcaagg  catgaaatac  cagnctataa  60
aatgtctcaa  gacntaaata  atacggatng  ngatagagag  gttgaataat  aaatgaanaa  120
anatgaaagn  nattatgngg  gaatacnaaa  aaancngact  aanggcggca  ctgctgggca  180
tggnnaaatc  ggattaattc  ctcataggac  agccnaacc  cttaaaatct  cantttccgt  240
naccgga  247

```

<210> 220

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(937)

<223> n=A,T,C or G

<400> 220

```

cgggctcgag  tgcggccgca  agcttttttt  actatagacc  aatattaaag  tcagttaagt  60
tccaaataca  ganttgga  actaaagtaa  aatattta  gggagaatat  ctgcatctga  120
atatgtcaac  tgtttgctat  ttttcagcta  tttaatcctt  ctacctgtat  ctcaaaaaca  180
aatttaaaaa  ttaatagatt  tgacagcaaa  atcattcagc  actttactta  ctccatcagc  240
aaggatatta  tgtagtcatt  tccatccatg  tggccaaact  gaaaatccct  aaccaccacc  300
aaccaaaaat  aaataaataa  aaggagaggg  ggtgggggga  gagagagaga  gaaagctcat  360
taaatagtaa  aaaaagtaa  aaaacaatga  agttaaattc  aggcctcagt  aggccagaa  420
actgtaaaca  tttcacatgt  aaatcatata  caataaacac  tgctaaaagt  gtaaattcta  480
ctggcttctg  agatacaaat  acacgagtag  aggaaattct  aagacatttc  tacttgggtt  540

```

```

atgcatatattt aaaattcagc gaaatatcag ctattctacc tgaaatatgt ttaagaaaaa 600
ttcctatattt ctctaaaaaa aggaataatc agaagacgct acatactatg taagaaaact 660
atacaatgac ccatcattag aagattcaga ataggaaaga aataataatt cactaataaa 720
atatatattat attgactgtc tttttttatg atagcaacaa tgattcagca taaagtaaaa 780
atatatgtat ttccgatgcc atttttttatt cagttattct tttgagtttc tgttagaata 840
attatctgcc tatctctgac ttctgancag tcattttatgt ccaattataa gtacatgtgc 900
atatttttatt accttaaacy cctctcaaat cctttca 937

```

```

<210> 221
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(353)
<223> n=A,T,C or G

```

```

<400> 221
ggctatnnna tnnntntaan atcntgncnn ccttgacgct gttantaaan aaaaacaaac 60
gaatatcctt tttttgctcc cccctgtnc a gatactaat tcacactaat acttacagta 120
taactnttcc tttcaactac caatattaag ttccaagcca cctggggctta agtatcccaa 180
caacttaggt aatttggtgc taaccacat actatatgct aattataaca ctctaagccc 240
caaggaattt ttgttcagat ttcttatant ttccacttat aaatatnatt ccncctctat 300
gggtatatnn nncctctagn cccatatnnc ccacngggat ttgttgaggg ggc 353

```

```

<210> 222
<211> 813
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

```

```

<400> 222
ggcacgaggc tttactaagg ccagactcac tatccccgct tctgttctgt ggtacactgt 60
tcactcctca gtccatccta acctgacttc ctggccactg cagctcttcc gataagggtc 120
agcagtggct tagttattgc taaataataa gcgcacatgc actccctctt tcctgaaaca 180
ttgtccctcc ttggtttctg ttcccttcta ggtctcctat cactcctcct tagtcttctg 240
tgccggacttc tgttccttct gccctttaa agttgggtatt ttccaggatt ctgtcctagg 300
cccacttact tctcattctg cacgttcttg ttggatgatt ctatcacatc cctaacttct 360
gctgcccagt atgcacttaa aattcccaaa tctgtatatc tggatctggc ctgtgtctct 420
agcctagaag tgtgctttat cccagaagca cctcaaacac tgcacttttg aaattaagct 480
tactgagtct cgagtctcaa gtcccaaact gacttctttt tctctatttt ggtagtgac 540
aacactattt attcagtcac gcaaaccaga gccctgagaa ccactttaca ttctctttct 600
ccctttactc agttcttgct tctgttcttt ctctcncnc tctcctgcct gtgggcctag 660
nggncattaa ctgggttgga ctgctttact ttcnattttt ttggctganc taaccnaag 720
ancctnttgt aggggccttt ctntcagcgn tnacttctnn caagancccc cgaaaccaga 780
tccnggggan tgctatggnn tggaaatatt ttg 813

```

<210> 223
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(882)
 <223> n=A,T,C or G

```
<400> 223
tcacactact gagaagcagg gaaacccact gaaagggcac gtttcttaac ctcagaatgg 60
ggctactagc ctctaaagca ggaattgcgt tttgtttagt atttccatgg tctgctgcaa 120
ggcgtggcct ttacccaatg gataaatgcg tacaaggctc ttgtgagcag tcaagtttct 180
cgaggtttac agttgaaggg aagtgggatt gttttcctgc gcatttaaatt gaaggtaggt 240
gggtgatcac ctttccttaa atgtgtgaag ggatgagata aagagatagg catcttaatt 300
gccactgatg gccttcagggt gaggacaggc atgagccaac tgaagctttg acaattgtgc 360
tgaacccaaa acttcaaaaa caagaaaaaa catagactgg ctgaaatgat ctaagtcaac 420
agagcatggc cagcgttca tacaaggcag gaccacaggg gaacactgac agcccaggag 480
gcactgagac agaggcagtg ggaagaagtg acagacccca gggactcccc accaacagca 540
gctgctgttg attaggaacc cccagtagac tgtcaggcac ctggtagtgg agaggctacc 600
aaggcccgga ctggagagga gccaaaggaa gaaacagtgc agtgcttaga cccctctggg 660
tctgcccgtg tccatacccc tagggagatt ccattccaga agtggacata ttcccacaga 720
gtgcctgggg ctcactcatc acagctgccc ctncatgaag gcattctcac tgcagcctta 780
ncaggggaaca gggtcatttg cattaggcan ctgtgtgtcc tagaaggcnt cgggngtccc 840
tacactgccc atgttcccaa ngnnggttcaa nctcnaaaan tn 882
```

<210> 224
 <211> 660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(660)
 <223> n=A,T,C or G

```
<400> 224
gattaaactc aatcattcac ccgggctcga gtgcggccgc aagctttttt tttttttttt 60
tttttttttt ttttggnctt ctgggcttgt gcccggaagg ggantgctgg gccacntggg 120
tgtccgtggt tgattttctg ggacctgccc ccccgtnctc cgccccgnt gccgcgtctc 180
actccccgcc gcggtgcnag gggccccgtg tgccgcgcac ccttccaccc gtgttttgc 240
gtttttttga ctntgggcgt cccaggggtg cancgccgtg ggggccctgg tttgctttca 300
cctcttcac tgcactggt ccgcnantgn gtcttnttca aacaaacgtn tgaaggnaaa 360
nccctgggct cctgtgaacc cggccgtctt tgccggcaan tctgaggctc cttegttatt 420
ctggatccgg cctntgggtc gangcgtgct ctgcaggcac tgctccatt gctggcancc 480
ttttctcccc gtggccgcc ggccgccat naaaggcgtt gcaaacgcc gccctcgcca 540
gcgcaaagtc aaacnccggt ggccgcgga ccccccggcg gncgggaaca cccancagg 600
cgggcaccac aanaagcgcg gncctccggt gtctaaaact nccatgtggc nccccccg 660
```

<210> 225

<211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(438)
 <223> n=A,T,C or G

<400> 225
 aaaaaaaaaag gaaaagtacc cagtgtcttc agcttctgag cctcctctac agccctgttg 60
 gnttttaaac ctgtgccctg tgtctgtgtc cccacttaat atatatagta cacagctgga 120
 gagatggctc agccaggaga gggacccata ggtctgtgaa ttccagagga naggcaggna 180
 tttatagggtg gntctgtcag gtgaaatcng aggagccaaa gctattgtat gtgcatatgt 240
 cagccgggct ctgtgggagg tgggtgaaga cctatggnat gggacangtg tncacgctgg 300
 gatctctggc cggttccgaa aagtgaggat caggtagtgg gtggctgatt gcacaagttt 360
 anaaccaggg attagggaca cacaggtcag cacctgcttc tcagcatcct gactgggtgt 420
 gatgggcata ctcaaggc 438

<210> 226
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n=A,T,C or G

<400> 226
 aaaattaaaa ccaaaaggat cttagaggtc ctttacttca gtggtttctca atgtcagagg 60
 atgttatgat acctaataca aatctccagg ggaactgttt tgaactcaac agactctctc 120
 ctgttctgag agactctggc aaagttggga gagctgccag gtactgtcca catgaccctg 180
 actgcccattg attcaattac cttgaatggc ttatccagtc caataccttc atttcttaca 240
 tgaggaaact gaagcacgta tcacatagtg atacaatgaa aacttggcct taatcgattt 300
 tcagtgtctc cagtacaatg tcttgagcat atcaatttct tccaaccctt gacaacataa 360
 ggtacgacca tcaaattttt tatttctgct aattttattag accaaaaaaaaa aagggnatct 420
 cncctattgt ttacaggga tgattttatt ncagaggatt tcatcntggn gctgattcnt 480

<210> 227
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(423)
 <223> n=A,T,C or G

<400> 227
 cattgtgttg ggctctgctt agcacatcac atcggagcac agaggtgacc tgttctgcc 60

```

caggggatgtt cacccttagtc acctgattga ttcctcttca ctttggtcac gtgattcctc 120
caggaggatg ttcaccttgg tcgctgatt cctccaggag gatgttcacc ttggtcgcct 180
gaccacacag gcatctatca ggctttctca ctgcagccac tatgtcccca taatggatga 240
gtgtcttgtg gagagatagt ccaaagaca ctgatacctt ttgcctcata cggcctcacc 300
ccccaacaat cnaccactaa tgactgcctc atagcagttt ttccatttcc acagttcctt 360
ctatatgtat taattgtcat tctactataa agaanacttt ttctttttaa aaaaaaaaaa 420
aag 423

```

```

<210> 228
<211> 249
<212> DNA
<213> Homo sapiens

```

```

<400> 228
cattgtgttg ggctgtagta aaatatgtgt ctggtaagat atgtgaagaa ataaaaataag 60
atcaattaaa tctggcccat tgaatgacac attaattgta tattaatatg taatgttaaa 120
gatattagga gatgggtggga cattatggca aactaaattht gggaggagggt tgaattgtat 180
aatttatgaa atcctaaaagt ctagtacatt aacactctct actgtcaact tttcaaagca 240
gtgagaaac 249

```

```

<210> 229
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 229
cattgtgttg ggatgttatc tgaccatcac aatatgattt ataatatgga ggcatgaagt 60
catttctcat tggggcagga gtgtggcaag ggggaagaag agctttacca attaactcaa 120
gattatttgg tgacatttct cttacctttt aggtgaggag aaagagacag aggatggaga 180
attggtgctt ttagtatgct gatacattaa gctgcctgga agcagatgct aaatcctatt 240
gaaaaataatt ttatttgcgt tttgcttagg gcattgttta gcaaaatact acacaaaaag 300
tcttgacctg tgtgtttgaa atggcagatg ttcacagtga ggactgagcc ttggggcaac 360
atcaatcttc acaattctgc acctatttgc tcaataactg gcttggttgg aaaaaagg 420
aaaaaaaaaa aaaaag 436

```

```

<210> 230
<211> 760
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(760)
<223> n=A,T,C or G

```

```

<400> 230
cattgtgttg ggnngtggaa ggaaaanttt gaggcaatga agctaaacat aaaagaggaa 60
aagcanatgt tacctcaatg accacaatct acaaaagtcca aatanaaaac ctgggagtat 120
gataggatga aactataacc tccagcaaaag agcttaacag caattaaaaat aaagacaaat 180
ttctgggatg gatnagacaa agtagcatat attacaaaagg aaaatanact agtatcatnt 240
acgttttgatt aagtaactgc tttcaaataa ttgaatcata aacaatgatt tctgcggttt 300

```

```

taagctcatt attttggttc cctgggtttct cctaggatgc agtatagaat ctccatgcct 360
gatgtttatg taccaacaga agctgctgct tctttctttc attatttcct ttttaagtga 420
aagttaatac cttttatatg ttacagagaa gaggcagaaa aagccacact cccactatgc 480
tattaaatgc cctgaggatc aactgaggga tgattatacn catggctgaa tacagtntat 540
tcatttgttt ctttggttg tanataacaa aagggtggtat tctgtaacat cttgtgncaa 600
ttanccaaat gttaaggcga aaatggaatc tttcaaacaa gtgttntaaa cagggttttga 660
ttttccaaaa ttantatta gaaccntttc aattctggaa gttncccaat ttccangttg 720
tgttttctct tccaattctt ctttcctttg naaattcccc 760

```

```

<210> 231
<211> 692
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(692)
<223> n=A,T,C or G

```

```

<400> 231
cattgtgttg gggggtgctn tgggggagaac acgcttatgt tganatnggg ctccccgaga 60
aagcctcatt gacacnttcg aataaggacc cntngggaaa ttcangtgag ttgtggacat 120
ncntagataa natcaaaggc cttgangaag tccgcctggc accttcnngt ctgagaggag 180
gttgatacca aatgctaagg ggtccagntg cantgtanta tctgagatc agagtgatgg 240
gcagggtgtg gcatgcgggc cctcaanang aagtgccag gatgactcag acttatgcct 300
atatccattc antcctgttc attattttta ncnttccctc naaggacccc caatttnaac 360
catttgttat tcanggctat acttataaaa gtcattttgt ttnagtctgg gtgatattaa 420
aaccatttgg acgccangca tgggtggctn nggcctataa tcctntccac cttggggaag 480
ccgaagctgg ttnaatccct naaggtcngg aatttgaaaa ccatcctggg ncaacattgg 540
gngaaaccct gtctctactn caaaaaacan aaaattttct ggggcctngg ttngcaggtn 600
gcctgaaaat ttccancnt tactccggga aggccgaatg cnttaaaaaa nnnaccttta 660
acccccccga angggcggaa agtttccatt tn 692

```

```

<210> 232
<211> 518
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(518)
<223> n=A,T,C or G

```

```

<400> 232
actcaaatgn ccncttgaag gtcaccacaga ctcanaangt gtcaagcttt ggggtggggt 60
gtaatnaata nctcgnctc ctgattagtn ctcctagctc gatcnctggc tgagatnngt 120
tcgagcacc ttcctttgat cccgtcaaac nccnggnaaa agcngcctgc gtagtcncct 180
nagccgaatc tgntttcccg acaccctccg ctcggtcggc tgccctggtn aagcngcntc 240
ctnaaanaaa aaagngaagt ctccccngtc tcnccnangt cctngggaaa acngcctgaa 300
ccaatatgnt cccccaaggc cccccaggc cacntaaccg gttaggaggg cccccnctg 360
gcgttttggc cnaaagcccn gccccngnaa taacccnct anaaccacgn aaaaatgcaa 420
agtcccaaa ggtaaagaat ctcccnaccc cccggttccc tcgcaanctt cccctnngna 480

```

cttgtgttcc gggaaaaccc ttancccgan cctttcca

518

<210> 233
 <211> 698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(698)
 <223> n=A,T,C or G

<400> 233
 gcacgagttt ctgtctgtct gtctctctct ctctctctct ctctctctgt ctctctctca 60
 cagttagaat ttggctctgt tctttattca ataccceaat atatgttcat taggggtata 120
 ctgtatacac tacacataac agttttgttt tttgttttgg atattatttg ataataagaa 180
 ttttaccaca tcattaaaaa aagtttcccc aagctataat ttttgataat tgcactcttc 240
 cactattcaa atgtttattt aactctttct ctctctggagt aggtttacat tccatttttag 300
 ctatgatact gctttaagag aaattgtttt aagataaatt tccatagaca ggtcaaagga 360
 ggtgaatata tgtaagcttt tcgatgcctg ttactgaatc tcattctgga aaacataact 420
 gtcaatgccc tctttttctc atggtaaaaa aatacataac aaaatttacc atcttaatcg 480
 tttttaaatg ttacagtacg atagtgttna ctgtatgtac cttgtgcaac agattctctg 540
 aaaacttttt catttttcaa aatgaaaact ctgtactcat tgaacaggca gcttcccaac 600
 ttccccattc ctccanncc ctaccctgg ttaanagtct nacaaaaccc gggaatttta 660
 tgaaatttga aacactttta naataccnch tattaggg 698

<210> 234
 <211> 773
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(773)
 <223> n=A,T,C or G

<400> 234
 ggcacgagcg cagcttttcg aaagctgtaa tttgttttgt atcaaaaagtc ctgcagtata 60
 ttagtctcat tgcattttaa agagtttcca agtgatcagt gatgggtgtc tgtttttttag 120
 tattacggtc ttatgtaatg ttcgaaaact agtcagtttg gtgctgtcgt acggggcgga 180
 aagatcaggc caggcaaagt actctggccg ccaaagtaaa tgcttaaggc cgccaacgga 240
 ttatgtcctg gggttcgatg agggccgtaa ttaggttgag ctggtgtang ctaacctcgc 300
 agccatgtcg gagagagatg agagacataa natttttaaag taggggcgta ttttacgaag 360
 ttctgancca tttcctttgt tatcgggtccc ggcaaaagca actgagataa atgtgttaaa 420
 agactcgatg attttttcga cttcagcaac gtactcagcc ttgggttctc gtagtttttc 480
 aaaggcagct atttgctgag attcatgaaa agtttgactt ganctgcttg tcaattttctg 540
 cagcncgggc ttcaactgtt attgaatttg tttgattaag cncaatacgt tgcnggtcac 600
 caaggttttc catgttttga ctncacctgg tcgaaccaat ttgaattatg tntttttgcc 660
 tgnctgttc cccnccctt aaatccatct cttttttnga aacctttng nggttgaatt 720
 cngccgcccc gttcccaach tttggttcna ctttgaaaaa aaanatgggt agt 773

<210> 235
 <211> 849
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(849)
 <223> n=A,T,C or G

<400> 235
 attgggtacg ggccccctc gagcagcctc cactgcaatg ccgctgaatc aagagacttt 60
 tcaatacgtt ttatcagtga aaatgatgtg atctgaagag tcctatcttg agcactttgc 120
 atgacatcca acgttaaatgt ccacaacgtt cttagctgcc caaccctttt atcggcaagc 180
 tccaaagggtg tgtgcaaacg ttctacggcg tcatgaaaag ctgaaaaatg ctgtgtcaac 240
 actgcaccgc tgcgcactct caaaagcagc gcccttatag tctccgcatt cgaagacgat 300
 aaccgcgcta gaatagcctc ataatacact ttgtagaaat caatcagagc tgtgctagga 360
 acctttccat ccaaaacata cgactgtgcg accacgtctg caaaagcaga cgtcacatta 420
 tgcatatgcc ctcttaccgt cagccgatca tcctcactca tagcgacgcg agaaagctct 480
 tgttccagct cgtgcacggg atccaattca gtaatcctac gcaacgccgt ctgaatcgtg 540
 ttcataagtt cagtttttaa gctcaaaact tcgtctctta ntttaccctt tgtgactttc 600
 aaactgggcg antcttcacc attttattaa tcgtcttttt gangganggc ccagcgtagg 660
 atctgcatcg ccagcggaat cgttactccc tcccattcct cctccgggta acgcanntag 720
 tttctccgaa gccttaaaat tagccgggga aagggaantt atttgcccca acaanggnat 780
 cgcggncttg gtggttaaaa ggaactgaaa taaaattaaa nccncttggt gggaaangcc 840
 cgcatactg 849

<210> 236
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n=A,T,C or G

<400> 236
 ggggtgggtt gcttccgaaa nccggggccc ggccaacttg ttggcttggg aatattcttg 60
 caagaaaatt tccagggcgg cgccaatttn atcaagcccg ggcggcctta aaccgaaaac 120
 tctggcaggg tcaaccctt tcatgggcgn ttgaaagctt gaagcgcccc aagttactcc 180
 caagcttggt gcgnttgccg ttggggggcg gggaaaagtt gaaaacacgg gcgntttggt 240
 gcccgccccg cgggcggttt nttacgccat cctgggaaaa ctttcagggt tggctgctta 300
 cnaaaacggg 310

<210> 237
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(315)

<223> n=A,T,C or G

<400> 237

```
gcacgagtn  ttgttattta  natnttgctt  tgtttaangg  aagaacacaa  naatgccctg  60
ctaaagggat  tctgttttgt  tgcangctgc  naggcgaggaa  aaaatcnaa  tgtatnttgc  120
acaacangat  tttttagaan  tcagaactat  gacatgaagt  canncagggc  actctacgac  180
tgaatttgcn  gtgctgcctt  cacangctcc  ttntctcgct  tntnctggca  ncngtgactc  240
ntacacgtcc  tgganantan  cctccctana  aggaacgact  ccgacacccc  cccnntaccc  300
ctnaangttc  atcng                                     315
```

<210> 238

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> n=A,T,C or G

<400> 238

```
ngcacgagtn  tttgttattt  atatattgct  ttgtttaaag  gaagaacaca  aaaatgccct  60
gctaaaggga  ttctgttttg  ttgcaggctg  cnngcgggga  aaaaatcaaa  gtgtattttg  120
cagaaaatga  ttttttanaa  gtcagaacta  tgacatgaag  tcaagcaggg  cactctagga  180
ctgaatttgc  tgtgctgcct  tcatatgctc  cttgctcgct  cttttctggc  agctgtgact  240
cncacaggtc  atggaganta  tcattcccta  aaaggaacaa  cnccgatatt  catctttatc  300
cattaagtnc  atctgtccca  ttctatgtng  tggatgctaa  cttttgatca  ttgatngtga  360
tnccatggac  atntancatc  anctttcana  ncctnggatc  tttgacnagt  cttattantn  420
agantccaac  tantacgatg  ccganttana  aatgctggnt  ntccaattcc  tactcaaata  480
nccnacatga  acttccantc  cccttgenna                                     510
```

<210> 239

<211> 209

<212> DNA

<213> Homo sapiens

<400> 239

```
ggtgcttttc  ctttctactc  gtcttctctg  ctggcaggag  aagctcccgc  tactgggttg  60
ccttctacca  ctgtcgacac  caccaactgc  agtgagccag  tgtccgaggc  tccagccaga  120
aacaggtagc  agccatgccg  gataccaaac  gccacactt  aagagcctga  aatgacctga  180
cgccacctcc  gcatgcttta  cctactgag                                     209
```

<210> 240

<211> 610

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(610)

<223> n=A,T,C or G

<400> 240

```
ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccagt aacgggagct tctcctgccca ggcaggaaga cgagtagaag 120
ggagcggcat gctggaggct ggagcctgag cccctggggc tcgccttgct gtgtttggtg 180
gtgacgtggg aactgcagc tcggccagag tggtaaaaaa tgccttggtg tacgcttttc 240
tggctttgcc cgtctatctg ctccaagcca ggctgganga ngagganaag gaatcacctg 300
tggtagcgtg gagcctgcat gtggcgtgac tctgcaactc gcctcgtgtg actgatggca 360
gccacggaga ctgcagctcg acagggagtg aggccttctca ntggcttgaa agctcagctg 420
actcccacga aatttgccgg aaactcaagg ctgtcagtga cnttcgtggc gccaagactt 480
aancangcgc gttgcatgca tccggccagt gtctgtgccca cgtgccctga cnccaccttg 540
anataancac ccggaacgcg cncgcgcgag gccgcgcgca cacgnccggg cancaacttg 600
gctggcttcc                                     610
```

<210> 241

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(474)

<223> n=A,T,C or G

<400> 241

```
ggcacgaggt ttctggctgg agcctcggac actggctcac tgcagttggt ggtgtcgaca 60
gtggtangag ggcaaccaat aacgggagct tctcctgccca ggcaggaaga cgantagaan 120
ggancggcat gctggangct ggancctgan cccctggggc tcccttgctg tgtttggtgg 180
tgacgtggga cactgcagct cggccagant ggtaaaaatg tcctgggtgta cgcttttctg 240
gctttgcccg tctatctgct ccaagccacg ctggaagang agganaagga ntcacctgtg 300
gtacgccgga gcctgcatgt gggngtgact ctgcaactcg cctcgtgtga ctgatggcac 360
ccacggacac tgccactcta cagnaatga ggcttctccn tggactngaa agctcanctt 420
nactccncc aagtttgncg gaactcaagg ctntcactna acttcgtggc gcca 474
```

<210> 242

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(415)

<223> n=A,T,C or G

<400> 242

```
ngcggggnnt tccaccagct cgtgtgcaca agtngcgcca cacaaacatg cgcaggcact 60
gcatgtcatc natgtgcttc gccgtggttc tggaaacagc agtagaagat ggcgttcggg 120
tcgcgaccaaa attcgacgtc ntggatgctc ttgcgcaaga angtcacgta cgggatcggc 180
ccgatggatc cgctnaagcg ccgaaaaggcc ctgacttgca aaccgcggct cacagaaccg 240
gcaccaccgg cgccctccgc cnacaaaagt cgagcggcct ccgacacaca ctccctcaca 300
tccccgtcnc gcacttcggc ngtttctagc tccgccacgg ttgtcagcgg caccgcgggc 360
```

gccnagctgc cggcggcatc cgttgacac agcacacacg gatccgctct cgtgc 415

<210> 243
 <211> 841
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(841)
 <223> n=A,T,C or G

<400> 243
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggatgaactt 60
 cgctcctaca gccgagccaa tgaagacgaa tggctgctgc cgaggatggg agtctcacta 120
 gagcacgcgg cgctggacaa ctcatcgact tgtacgcttc cggtagctta gccattcag 180
 ctccactgac gacagagacg gagctggcca ctgccatctc gacgcagcgg gacaaggagc 240
 agcttcgggc gccgtatgca tcaactcgaag agaaccagga gcagccggaa gcaggangcg 300
 ctgcacggta caggcacttt cggcgcttca gcggatccat cgggcccgat ccgtacgtca 360
 ccttcttgcg caagaacatc caggacgtcg aattcggtcg cgaaccgaat gccatcttct 420
 actcgtctct ccaggacccg gcgaagcaca ttgatgacat gcagtgcctt gcgcatgttt 480
 gtgcccgcgt accttgggtgc acacgaacga nggcaaccaa cccgccccag gtgcccgtct 540
 atgcattcct gttctgttcc ggtgtgcatg gccggatgtg gaccgtganc ttggtgaatc 600
 ggctgggtgca tgaagactta ccgctctcnt caagggcgaa cgcncctcan ttcgganaag 660
 gaacaaaacc ccccnnaag aacggcantt gcancntttt ccccgctgc cggctcttct 720
 ccattcgggn attctctntc tcnaaaant ccgcnaaatc ttctttcggg ttctcccctg 780
 tttttatttg cccttcccgc cacttgggtt gttttacatc ctacaancct tttttttctc 840
 c 841

<210> 244
 <211> 761
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(761)
 <223> n=A,T,C or G

<400> 244
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggatgaactt 60
 cgctcctaca gccgagccaa tgaagacgaa gtggctgctg ccgaggatgg gagtctcact 120
 agagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agccattca 180
 gctccactga cgacagagac ggagctggcc actgccatct cgacgcagcg ggacaaggag 240
 cancttcggg cgccgtatgc atcaactcga gagaaccagg agcagccgga agcaggaggc 300
 gctgcacggg acaggcactt tcggcgcttc agcggatcca tcgggcccga cccgtacgtc 360
 accttcttgc gcaagaaaca tccaggacgt cgaattcggg cgcgaccga atgccatctt 420
 ctactcgctc ttccaggacc cggcgaagca catttgatga actgcagtgc ctgctcatgt 480
 ttgttgcggc gctacctggt tgcaacgcan cganggaac aaccgcgcc angttgcgc 540
 tctatgatt ccctgtctgt ccggtgttgc atggccggat gtggancgtg ancttgtgaa 600
 tccgctgggt gcatgaagga cttaccgctc tcgtcaaggg cgaacgcgcc atcaattccg 660
 gaaaagggaac naaaaccccc ccccaangac ggnaatttgc ancttttccc nncctgcgc 720

gctctttctcc antnccgggt tctctttctc anaaaaattcc c

761

<210> 245
 <211> 710
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(710)
 <223> n=A,T,C or G

<400> 245
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggatgaactt 60
 cgctcctaca gccgagccaa tgaagacgaa gtggctgctg ccgaggatgg gactctcact 120
 agagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agccattca 180
 gctccactga cgacagagac ggagctggcc actgccatct cgacgcagcg ggacaaggag 240
 cagcttcggg cgccgtatgc atcactcgaa gagaaccagg agcagccgga agcaggaggc 300
 gctgcacggg acaggcactt tcggcgcttc agcggatcca tcgggccgat cccgtacgtc 360
 accttcttgc gcaagaacat ccaggacgtc aaattcgggc gcgaccgaat gccatcttct 420
 actcgtctct ccaggaaccg gcgaagcaca ttgataacat catgcctgcc catgtttgtt 480
 gcggccctcc tgggtgcnca cgaancgaag ggcaacaaac ccgcccagg tngccgctct 540
 tatgcattcc ttgtctgttc cggtnntgca tggcccggan nttggaaccg tnancttggg 600
 nnaatcgggt ggtgcattga aggaacttac cgctctcgtc aagggccgaa cgcnccttc 660
 agttcggana aaggancgaa aaccccccn naaggaaagg ccnttgcnn 710

<210> 246
 <211> 704
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(704)
 <223> n=A,T,C or G

<400> 246
 aacgaggtgt cgatgagcgc gaacaatcgc cctccttcat ctctacctga tggatgaactt 60
 cgctcctaca gccgagccaa tgaanacgaa ntggctgctg ccgaggatgg gactctcact 120
 aaagcacgcg gcgctggaca actcatcgac ttgtacgctt ccggtagctt agccattca 180
 gctccactga cgacaganac ggagctggcc actgccatct cgacgcagcg ggacaaggga 240
 gcagcttcgg gcgccgtatg catcactcga agagaacagg agcagccgga agcaggaggc 300
 gctgcccggg acaggcactt tcggcgcttc ancgatcca tcgggccgat cccgtacgtc 360
 accttcttgc gcaanaacat ccaggacgtc gaattcgggc gcgaccgaa ttgccatctt 420
 ctactcgtc ttccaggac cggcgaagca cattgatnaa attgcattgc ctgcgcatgt 480
 ttgtgcgggg ctctctgtg ccccgancga agggcnacaa ccccgcgcca ggggtgcnct 540
 ctatgcattc ctntctgttc cgggtgtgcn tgggcgggat ttgaaccgtg aancttgggtg 600
 aatccgnttg gtgcattaag aacntaaccg ttctctgtca ggggcnnacc ggncccttnc 660
 aatttcggaa aaangaacca aaancccccc cnccaaggaa aacn 704

<210> 247
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> n=A,T,C or G

```
<400> 247
ggccgcagct gtgatggata tcgaattcaa cgagggtgtcg atgagcgcg acaatcgccc 60
tccttcatct ctacctgatg gtgaacttcg ctctacagc cgagccaatg aagacgaagt 120
ggctgctgcc gaggatggga gtctcactag agcacgcggc gctggacaac tcatcgactt 180
gtacgcttcc ggtagcttag ccatttcagc tccactgacg acagagacgg agctggccac 240
tgccatctcg acgcagcggg acaaggagca gcttcgggcg ccgtatgcat cactcgaaga 300
gaaccaggaa gcagccggaa gcaggaggcg ctgcacggta caggcacttt cggcgcttca 360
gcggatccat cgggcccgat ccgtacgtca ccttcttgcg caagaacatc caggacgtcg 420
aattcggctg cgaccggaat gccatcttct actcgctctt ccaggaccgg gcgaaagcac 480
attgatgaca tgcagtgcct gcgcattgtt gtngcggcgc tacctgggtg acacgagcga 540
nggcaacaaa cccgcgcccc ggtgccgctc tatgcattcc tgttctgtcc ggggtgtgcat 600
ggccccgatg tggaaccc                                     618
```

<210> 248
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n=A,T,C or G

```
<400> 248
gcacgagagc ggatccgtgt gtgctgtgtg caacggatgc cgccggcagc ttggcgcccg 60
cggtgccgct gacaaccgtg gcggagctag aaactgccga agtgcgcgac ggggatgtga 120
gggagtgtgt gtcggaggcc gctcgacttt tgttggcgga gggcgccggt ggtgccggtt 180
ctgtgagccg cggtttgcaa gtcagggcct ttcggcgctt cagcggatcc atcggggccga 240
tcccgtacgt gaccttcttg cgcaagagca tccacnacgt cgaatttggt cgcgaaccga 300
acgccatctt ctactcgctc ttccagaacc cggcgaagca cattgacaac atgcnntgcc 360
tgcgcattgt tgtgcggcgc tncctgntgc acacgaccga gggtagcaac ccgcgccagg 420
ntgccnctct acgcattcct gtctgcccgg tgtgcgtggc cnggatgtgg accntgagcn 480
ggngantccg ctggtgcntg aagacnttgc cgctctcgtc aaggccnacc gccntcgcg 540
gcggaaaaaag gancaaaaanc cccccgcaa gaaccggcnc tgcaccgttn tcgcgcccct 600
gctgggctct tctccttac gg                                     622
```

<210> 249
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(517)
 <223> n=A,T,C or G

<400> 249
 cattcgagct cggtagcggg gatccgattg gtaaagggga tgcggaacag ccagctgggtg 60
 ttttcggtgc ggccggggca gcccacatcg ctgtgggtcgt tggcgtagtg gatgcgatgt 120
 gccgggacaa acgcgttttc caccacgatg tcatgactgc ctgtgccgcg caggcccagc 180
 acatcccagt tgtcctcaat gcggtagtcg gccttgggca ccagaaaagt cacatgctcc 240
 aggccaggcg tgccatcacg cttgggcagc agaccgccta gaaacagcca gtcgcaatgc 300
 ttggagccgg tggaaaagct ccagcgaccg ttgaacctga atccgccttc cacgggctcg 360
 gccttgccag taggcatata ggtcgaggcg atgcgcacgc cgttatcctt gccccacaca 420
 tctgtctggg cctggtcggg gaaaaancgc cagctgcaa ggggtgaacg ccgaccaccc 480
 cgtaaattca ggccgtggac atgcagccct ttaccaa 517

<210> 250
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(215)
 <223> n=A,T,C or G

<400> 250
 nntncattgg gccgacgtcg catgctcccg gccgccatgg ccgcgggatt accgcttgtg 60
 accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 120
 accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg accgcttgtg 180
 accgcttgtg acnggggggtg tctgggggac tatga 215

<210> 251
 <211> 231
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(231)
 <223> n=A,T,C or G

<400> 251
 ngcgcccacc tngtgattga tggtcgttta ctatcaagta tgtacatctt gctctagaca 60
 actccnattc agtgggaagaa attgggaaag tatcccggat aagtaatagg nattaggtct 120
 nccttantgc ttggtgggat attccncaac tgntcngat cggatcagnc tcgtgtcngn 180
 gaatgtgctc gatcgttatt ctactnctga gcttctatcc nnacgtggcc t 231

<210> 252
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(389)
 <223> n=A,T,C or G

<400> 252
 atgtatcanc nctgttgggtg ttncatcttt tgcagtcngt tctaagggcn gataantatc 60
 agagatgcta atgcatnttc tgccaggcca ncattgggtg cctatgcgta ctcttcttat 120
 cttcctgaag agtcatctct ggnggatgtg ttccccctc tccacagtgt ttgcaagcgt 180
 taccacgcgn tgtcggngcc gggaaggten ncacatccgg gnagacttcc ccncgtntga 240
 atcgtntctn gaatctccgg cgtcntccct naacctcttg actnggacaa ngmcccgtnt 300
 tccccntgt gaactngtan ccgccccctc ttccccctc agcctaancg ggaangaaga 360
 cngggtcnat ctngggcncc acaagaant 389

<210> 253
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n=A,T,C or G

<400> 253
 nggggccnna tgagcgcgcg taatacnatc actatngggc gaattgggta cgggcccccc 60
 tcnagcggcc gccttttntt nttttttnt tntttttnt caaaacaccc tccnccntgg 120
 atgganacgt nacctttctc taaccanac ttcacaatnc nantctcagg cagccgcctc 180
 aaanccgatg tcangttggn atntcaantn caatcttatt ttgngaatta anctganatt 240
 gtggatggtg naccaatcan atacttgga tccgttgaac ccctgtgga 289

<210> 254
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n=A,T,C or G

<400> 254
 attgtgttgg gaacttgtag acagctatat caattgcagt gctattttctc tgagggtattg 60
 aatctcantt attataattt tgaaatccaa ttggcttggga cttcattatt ttccaactaa 120
 aaagatgatt gaaggattta tttgaaatgt gtaaagagta atatagattt tatgcttatg 180
 tttccttgaa aaaagtaggt aaaattcttc tggaagtgtt actcctaaaa tacaaatgaa 240
 catgtcaaga attacataaa ttcttttaaac ttccttaan aannaatggc tctatgtann 300
 gagngaccct tacagactat taagaattaa cttgcatggc anagactcat ttanattcat 360
 gaaatggntc tcacttttctt ggtaagatct ggcttggacg tttttggtaa 410

<210> 255
 <211> 668
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(668)
 <223> n=A,T,C or G

```
<400> 255
tttttttttt ttttcctgtg ccaggcacta taccactgtg ctaggtgcct tctttgcatt 60
acttcatttc ctcataagct ttctgaggan acagaaagct tgaggttcac gtagctagca 120
tctacataaa ttagttgcta aaaacataca atacgtcttc cggcaggctg tcattagtaa 180
ctgatactac tagttgataa tctcataaac ctagcanaan ctaccattta agctgaaaca 240
actgtcaata tcactaanta aaacttaaat ccataaatca actatatctt aaaatctgac 300
ttcagttcaa ttaaaaaatc actagttggt acctacctcc ttctgaaagc cagtacaagt 360
taaatgaaca actcccaggt ttaacaaaca agtggcatct aaaaaaaaga tttaaaaaat 420
aatccactta catatattta aaatggcatt aataaaaacaa aatttatcca ataacnaant 480
ggcaaaggaa ggtgtccaat tattacatgt tataaatctt taaattaaac ttttcttngg 540
tttttcntcc ctanaataaa tacaancctt tccccgccna accagaaaaa agcaaaaaac 600
aaaacccaaa aactcccagc ncngcttaaa aaacncaaaa aaaataaaan ctctattaaa 660
tgcccnaa                                     668
```

<210> 256
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(487)
 <223> n=A,T,C or G

```
<400> 256
cgnaaccgtn cntttttnat gtgcgcccgc cncagnacca gngccgctac aggcgaaggc 60
cggaagcacg ggagaggntt nggaaaaaaa agagtgttta caaagagcat attcgagag 120
ttgggatgag tgaaggggac cagaaggngc agcggtaggg acgcgtgaaa ggangcngcg 180
gagaaatgac agcaagaagg gganaagcac acgaaaaggc agtatcctcc tcccccttt 240
tcgaggactg ccgcctcttt gttttctgcc cattccagtc accgaanaag atcccaaana 300
aagaagaaaa gaancagagg tgcacttcgc ttcataattc nctcgctttc ttttctgnct 360
tcacnagttc tgcaggattg cccttgtcct cttccgagca catctacgca cgnatgaggc 420
tcggcagggtc aagccnacaa aacnctcgca ctctcttttt tctttgcnnng tctgngtggg 480
anggnng                                     487
```

<210> 257
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(502)

<223> n=A,T,C or G

<400> 257

```
ccttttgaag nccngctnaa ttcngnganc ccccn gatca gcaccaggga gctacaacna 60
aggccggaag caggggattt ngccggaaaa aaaagagtgc ttacaaagag nttatccnca 120
nagatgggat gagtgaaggg gacgagaagg tgcagcggta gggacgcgtg aaaggaggca 180
gcggagaaat gacagcaaga aggggagaag cacacgaaaa ggcagtatcc tcctcccccc 240
ttttcgagga ctgccgcata tttgttttct gcccattcca gtcaccgaaa aagatcccaa 300
agaaagaaga aaagaaacag aggtgcactt cgcttcatat ttcgctcgct ttcttttctg 360
tcttcacaag tctgcaggat tgcccttgct ctcttcagag cacatctacg cacgtatgag 420
gctcggagggn caagccaaaa aaacgcttgc actcctcttt ttcttttgcgt gtctgtgtgt 480
atgtggaatt ccgcggcncc gc 502
```

<210> 258

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(510)

<223> n=A,T,C or G

<400> 258

```
actcgnact cgatncanta caagagnnta tgnattcgaa ngtgcccccg catcagcacc 60
agggagctac aacgaaggcc ggaagcaggg gagagggccg gaaaaaaaag agtgcttaca 120
aagagcatat ccgcagagtt gggatgagtg aaggggacga gaaggtgcag cggtagggac 180
gcgtgaaagg aggcagcgga gaaatgacag caagaagggg agaagcacac gaaaaggcag 240
tatctcctc ccccttttct gaggactgcc gcatactttgt tttctgcca ttccagtcac 300
cgaaaaagat cccaaagaaa gaanaaaaga aacagaggtg cacttcgctt catatttcgc 360
tcgctttctt ttctgtcttc caagtctgca ggattgccct tgcctcttc cgagcacatc 420
tacgcacgta tgaagctcgg aggtcnnngc aaaaaaacgc ttgcactcct ctttttcttt 480
gcnagtctgt gtgcatngg gaaatnctna 510
```

<210> 259

<211> 292

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(292)

<223> n=A,T,C or G

<400> 259

```
gannngagtc acgaaaaggc agtatcctcc tcccccttt tgcaggactg ccgcatcttt 60
gttttctgcc cattccagtc accgaaaaag atcccaaaga aagaagaaaa gaaacagagg 120
tgacttcgc ttcataatttc gctcgctttc ttttctgtct tcacaagtct gcaggattgc 180
ccttgtcctc ttccgagcac atctacgcac gtatgaggct cggagggtcaa gccaaaaaaa 240
cgcttgcaact cctctttttc tttgcgtgtc tgtgtgtatg tggaattcct tg 292
```

<210> 260
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n=A,T,C or G

```
<400> 260
gcacgagggtt ggggtggtact gtgtataata actccagatc cttgaccaag tttggagagt 60
cacttatggc catttgaaac caaatgaagg atcaaaggac taattatttt gaatacctct 120
gagtgttttc cccaagcttg agaagagttt cattcagcta taaaatgctc attgtgcaaa 180
tgagtggttt ccatgctgta taattaaagc attgccttta ataatatattt attaccttta 240
gcttgtcttt ttaatttgag gaaaatccaa acaatttaaa gtaaaacgtg ataaagacag 300
tttttcngga gananaaggg nagatcgcta tgtttattcc acttaatatc tatatcaaat 360
atttgtatca aaagcagact ctcactttta aaatatctt ctaatggcna gaatcttttn 420
cctagattga gagtcagagc tcacatagna tnactgctgg taaatagaca cctagactat 480
agagctnagc tnaagttcca actanccaac tgcatttctg aatatgcttt ttattnaaag 540
gccagnnctt ttgccttttt nccnccctaa tnccttctat tg 582
```

<210> 261
 <211> 783
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(783)
 <223> n=A,T,C or G

```
<400> 261
gcacgaggcca aaatacagag ggtatttttac catggacagg caaccatttt ttccaggaca 60
actcttttgca gcagagagct attctctttt ttttgcctta cactctcaac ctcaactctt 120
gagtgtctgc atcctanttt tccatggcca taagataagg aaccatgagt gttactctag 180
atgaggctgt ttcatgtgtg gagctcatcc aggatccaag gtagattcat cagaagggta 240
agtataggag tgggaaccca aatctctact tttattttga ggccttctct cctcaatttt 300
aaattgtaaa atcaaaactta aaactgggta tctgatggcc agttaaaaaga ctgggtatct 360
gattgccagt taagagatgg tcatttatgc tcaccaccat tctcaagacg caggtgaggt 420
gacangcttg ctgggggaatg ctgancgaat cccccaatgc cttcaggatt ctgggaatgg 480
tggctctgnt ttaaactggn tgactttttac aaagagccta cccgtcatgg ggggactggg 540
aagaaaaccc anangcagnt tctggcccan ggttacaccc ccanggntac cttgaaggnt 600
ttttggacat acctnttncc cccctnttac tgnttcatta gggcntcnn cacccaantt 660
tccaagttnt ggcccttcna aaantttttt nttttcctnt tccanggacc cccctggntt 720
cctggnnccc cctttttata nccaaccttg ccnggnattt tttcncnttn aaagggaaat 780
aat 783
```

<210> 262
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(741)
 <223> n=A,T,C or G

<400> 262
 tgaaccctan tgggcccggc cccctcgagt cgacgggtatc gataagcttg atatcgaatt 60
 cggcacgagt gtatattctg ttattatacc ccagattnaa gtgtatattc ttaggcagta 120
 gttctgggta acatccttac tacataaaat ccacttacta ttttaagtatt attctaacag 180
 gaggtagaat agctgcctta aaaaatgtag tgatcgaatg gcagtttttc tgctgaatgg 240
 aaattactga cacaaaattt ggttttggga gacattttcc tccttggtgt tgagttttcc 300
 cattcacgga tagggcataa agcttggttt atagttgagg ggtgcaaaag gggaatagga 360
 ttgggaaaat acagtgttcc agcaaagggtc tgacaaggta catcttgagg aggattccta 420
 ttctgctang tggcactgta ngctttgaaa tactgtgtac tttccagaca aaggatagag 480
 aaaaagacct tcaactgggtg ggggagaaga aaacccttgt tcctagaaaa atcacaaaaa 540
 aggcacacct tancctatat tcccagnttt actgngcat ttgcttgatg tgactgacnc 600
 ngattatttc ctttnactgg naaaaattcc tgcncctttg gatatnaang ggggnaccng 660
 gaaaatnggg ggcnttgggg aaggaaanaa aaaaaattgg agggaccnaa ctttgaaaaa 720
 tgggntgctt nangccttaa g 741

<210> 263
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(437)
 <223> n=A,T,C or G

<400> 263
 ggcacgagag aatgtgttca cagacactat tttatannta tctgatgtgt actgtgtctg 60
 gtggatgtga aagccatact tcttaaactc gatttgaaaa gcaaatctga ttatcacagc 120
 cataattaaa tttggccagc cttccttcct ccctccctcc ttcacttcct tccttccttc 180
 cgctcgtgc cgaattcggc acgagcctga cctcactacc aaaaaaaaaa aaattcaaag 240
 tgcttgaggt ttccaggcat tcttagctct atttacttac ttcccacctc aaatggcctt 300
 agaattcaaa ttctgnanaa aatggattgc catanataat ccaatgaaaa tgggtcatat 360
 tttgccatta atagaatcac agtcnacaag ggactaatag aattagtcac ttangtatchn 420
 ttagatttgg gagacnn 437

<210> 264
 <211> 706
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(706)
 <223> n=A,T,C or G

<400> 264

```

gcacgagcac  cccaagggtt  taggacaaaa  tgggatgagt  gaattcatgg  cttgacagac  60
tgaacagaaa  aatgaggctc  cgtgctccat  attcatgtgc  atctgcccct  catggtgaca  120
tgctaattgg  ttggccggtg  cacaagacaa  ggaagtgcag  gtttcctgtt  gctcacacag  180
tgcttctgt  ctgctgtggc  aggagccggg  aggaaggagg  cgagccaaga  ggggtgctgc  240
ccaccgga   cgatggcgcg  aggccgcaga  gctaaatggg  ggccctctca  gggagtgtc   300
tgttcacggc  tccatcgctg  ttagtaagta  tcttgtgatt  tcggaattta  aatgaggttg  360
tgtttaacct  gcataacatc  tggcttttaa  aatctgactt  tattttcctt  ttatttctgt  420
gcatcggtc  aggcacactt  agtgggtggc  taggtgttga  agtcaggtta  ccaaacagca  480
cgccctctct  ttattctcag  gctgcgtgtt  tcattgattc  tgaaggtcag  atggctgtgt  540
tcaagttctg  ttagtatatt  ggtgtcagaa  atgaaaagat  gatgtaacct  ttataactt   600
cttaaaggct  catatcatgt  caggaaatta  acctgtacga  gttatggaca  aatgcccata  660
ctgatgattt  tcanccatga  aaatgaatna  aagggganaa  gggcca      706

```

<210> 265

<211> 717

<212> DNA

<213> Homo sapiens

<400> 265

```

ggcacgagca  gcattacggt  ttatacacat  gtccacaact  cagcattgct  ttcaaaatag  60
gaacacttta  ttagtaaaga  ggaagaaatt  gcctaaacag  actcagtgtc  tttcccataa  120
caatcatctg  ccaagccgca  ggcctaacca  ggaaatccca  tttccttttg  gcgttggtgc  180
ctccaccaac  agatacaacc  ctgatgccaa  atgttgtagt  gttttagagt  gttgtgagcc  240
aatgagggca  tgcctagggc  caaaggctgc  cctttggaat  gagggcaagg  tcgtagactc  300
catcaaacaa  caaatgcatc  ctctccaaa  atcaaatgct  caacacatgc  agcctttcgt  360
atgcccactc  cccctttact  cattttcatg  gctgaaaatc  atcaggatgg  gcatttgtcc  420
ataactccta  caggttaatt  tcctgacatg  atatgagcct  ttaagaagtt  ataaaggggt  480
acatcatctt  ttcatttctg  acaccaatat  actaacagaa  cttgaacaca  gccatctgac  540
cttcagaatc  aatgaaacac  gcagcctgag  aataaaagaga  gggcgtgctg  tttggtaacc  600
tgacttcaac  acctaagcca  cactaagtg  tgcctgagcc  gatgcacaga  aataaaaagga  660
aaataaagtc  agattttaaa  aagccagatg  ttatgcaggg  taaacacaac  ctcatta     717

```

<210> 266

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(362)

<223> n=A,T,C or G

<400> 266

```

ggcacgaggt  tagatttaac  ttccacagat  gactcagcag  aggataacta  ctaatcagag  60
tacaacatca  aaactgtaac  cagtataatc  actggattat  gagcaactca  aaatagctcc  120
agtttccaaa  gggccataaa  ctgcacatat  cagtactatg  tgcaattaac  acataattta  180
ttatgaaaat  gtggacatgc  caggtaagta  aggggattta  ggttgacttt  ttataatact  240
ttaaatgtga  aatgccattt  ctgtggattg  gatgacatct  tccagggtgt  ntaatnctgg  300
gntacctnct  gatanatcct  gananaaaga  ggtancacca  gcgtctatca  nacctcaata  360
ca

```

<210> 267
 <211> 692
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(692)
 <223> n=A,T,C or G

```
<400> 267
ggcacgaggt tagatttaac ttccacagat gactcagcag aggataacta ctaatcagag 60
tacaacatca aaactgtaac cagtataatc actggattat gagcaactca aaatagctcc 120
agtttccaaa gggccataac tggccctttt aanactttnn gcaattaaca cataatztat 180
tatgaaaatg tggacatgcc aggtaagtaa ggggatttag gttgactttt tataatactt 240
taaatttgaa atgccatttc tgtggattgg atgacatctt ccagggtgctt taatttggtt 300
tacctcctga tagatcctga cagaaagagg nagcaccagc gtctatcaaa cctcaatata 360
gngtgtgaaa cacangagag cctgcttttg tcnacacggg gaaacacatt gttatcaca 420
cacacaaaag gcaanctncc aatggggnan ncttacctgn cctctcatat tgggggcaan 480
gaaaangggg ccccanatg gctgagtana tccccaaaaa ccnccactan tggtcagnnt 540
gcttcccan acagccagat gactgaattt agcccaagct gcagtctcaa aaccagcttt 600
ctgacaatca gtaacaagaa catactggtc tgttgagtg agctcaagtg ttgggtgttc 660
agtcaaaanc catggatgcc aatcatctcc ca 692
```

<210> 268
 <211> 605
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(605)
 <223> n=A,T,C or G

```
<400> 268
cgtgccgaat tcggcacgag ngcacatatc agtactatgt gcaattaaca cataatztat 60
tatgaaaatg tggacatgcc aggtaagtaa ggggatttan gttgactttt tataatactt 120
taaatttgaa atgccatttc tgtggattgg atgacatctt ccagggtgctt taatttggtt 180
tacctcctga tagatcctga cagaaagagg tagcaccagc gtctatcaaa cctcaatata 240
gttgtaaaac acagagagcc tgcttgccca cacatggaga aacattgtta tcacaagaca 300
cagaaggcaa acttccaatc tggcatactt ncctgtcctc tcataatttg ggcaatgaga 360
atggtggacc agatggcttg antagatgcc aaagaacacc canactgggc agcatgcttn 420
cccagacagc cngaagactg aaatttantc ccagctgcag ncttaaacc tttttttgac 480
nttccgtaac cagaccatac ttttttttct gatgcttttc ttaacttcat cttttccaat 540
taaattcatt agtnnaaccc taaanggggc ccgttttccg aaaaattttc nttntntntt 600
cccn 605
```

<210> 269
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(535)
 <223> n=A,T,C or G

<400> 269
 gcacgaggng caaccccagg gtgggggtctc tgggatgaac ctggagacct gagcttgcac 60
 agcttccttg gtaaattgag gaggcatgga ccacaagatt gccaaagctcc tttctatcca 120
 aacttgatat tgtagattc catgatccag ttcacacagg ttgatggctg aatctcatgc 180
 actanaaaaa ggtaatatata aaganaaaaa tanaangatn ttcaagttag tataaanacc 240
 tttaatctca ntctttctag ttcaaagaga cggaacaatg agagatgctg gttcatanag 300
 ctgntanatt taacttccac agatgactca ncagaggata actactaatc anagtacaac 360
 atcaaaactg taaccagtat aatcactgga ttatgagcaa ctcaaaatag ctccagtttc 420
 caaagggccca taaactgccca tatcaantac tatgtgccat taacccataa tttattatga 480
 aaatgtggac atgccangtn agtaagggga tttagggtga ctttttatna tactt 535

<210> 270
 <211> 803
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(803)
 <223> n=A,T,C or G

<400> 270
 gcacgagggc aaccccaggg tgggggtctct gggatgaacc tggagacctg agcttgcaca 60
 gcttccttgg taaattgagg aggcattggc cacaagattg ccaagctcct ttctatccaa 120
 acttgatatt gttagattcc atgatccagt tcatcacggt tgatggctga atctcatgca 180
 ctagaaaaag gtaatatataa agaaaaaaat aaaaagatat tcaagttagt ataaagacct 240
 ttaattctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcataagagc 300
 tgtttagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
 tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
 aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
 aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat actttaaatt 540
 tgaaatgccca tttctgtgga ttggatgaca tcttcagggt gctttaattt ggtttacctc 600
 ctgatagatc ctgacagaaa gaggttagcac cagcgtctat caaacctcaa tacagttgta 660
 aaacacagag agcctgnttt gcctacncat ggagaacatt gttatcacia gacacagaag 720
 ggaacttcca tctggctact tacctggctt tatttttggg gcaatganaa tngggggacc 780
 aatggntgan tanatgccaa aaa 803

<210> 271
 <211> 836
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(836)
 <223> n=A,T,C or G

<400> 271

```

gcacgagggc aaccccaggg tggggtctct gggatgaacc tggagacctg agcttgccaca 60
gcttccttgg taaattgagg aggcattggac cacaagattg ccaagctcct ttctatccaa 120
acttgatatt gttagattcc atgatccagt tcatcacggg tgatggctga atctcatgca 180
ctagaaaaag gtaatataaa agaaaaaaat aaaaagatat tcaagtgagt ataaagacct 240
ttaatctcag tctttctagt tcaaagagac ggaacaatga gagatgctgg ttcatagagc 300
tgtttagattt aacttccaca gatgactcag cagaggataa ctactaatca gagtacaaca 360
tcaaaactgt aaccagtata atcactggat tatgagcaac tcaaaatagc tccagtttcc 420
aaagggccat aaactgcaca tatcagtact atgtgcaatt aacacataat ttattatgaa 480
aatgtggaca tgccaggtaa gtaaggggat ttaggttgac tttttataat actttaaaatt 540
tgaaatgcca tttctgtgga ttggatgaca tcttcagggt gctttaattt ggtttacctc 600
ctgatagatc ctgacagaaa gangtagcac cagcgtctat caaacctcaa tacagttgta 660
aaacacagag agcctgcttt gnctacacat ggagaaacat tgtatcacia gacacagna 720
ggcaacttcc atctgggata ctacctgtct ctctatttgg ggcatganat ggggacaatg 780
ntgananatg caanacacca atngngagctg ntccnacag cnatatgatt ntccat 836

```

<210> 272

<211> 203

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (203)

<223> n=A,T,C or G

<400> 272

```

ggagaattgg gcccgtcang ggtgcattct gcatcacctg anttcnaaat ctnagtcaat 60
cnnctgacta atantatcaa catnatttna acctgatctc cactgcttng tnattttcnn 120
ttcactgncc ctntcactng aacntctntt cacacagcca cccccatta tctggntggc 180
acctcncca aatnccnct naa 203

```

<210> 273

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (594)

<223> n=A,T,C or G

<400> 273

```

attcgggccc ctggatncgt gctcgagcgg ccgcccgtgt gatggatata tgcanaattc 60
ggcttctgga gagagctttn tttttgatgg ttgcangtac tctcgatgga gttgggtggg 120
gtgggtatct ctctctgggt gtctttctgt ataaanttct tgcnctgact ncctanctcn 180
ctccccctg gtccttcctt tagngtaaca nctggtaatc cctntcttct ttgctctcct 240
tntcttctct gancgatttc ctctntttgt ccactctcag gnanaaccct gntggtcagt 300
gttcatgact tcnngaagnt cgacccgcna aatagggnen cacggatnat gttgaancng 360
ggaagggagn gtccaanttc tctgttccan aggcctnagcc tagaganaat gatggggagan 420
ggtttactga gatcatngmn tcttctcgaa gatatnnttt aggggtgggtcc cccataagng 480
aatttctcan cttcaaattc tctaatacat tactgaacan ctgncatttg ttacgccaca 540
nattgnaatt ctccatntct ttttagaaac nattncaagg tcattttatt ccct 594

```

<210> 274
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (229)
 <223> n=A,T,C or G

<400> 274
 ctactcactg tccggccatt tggncctctg natgcatnct caagcagcnc gccantatga 60
 tnnatatctg cacanttcag cttctngaga aaactatggt ttaaacagtt gcntanactt 120
 anaatanaaa tcgagtaagg tntagatnan tctctaacga tngaattatt ntacanaggg 180
 gtanncgatn accaggagta nctaganttg ancancancc taggtcnga 229

<210> 275
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (651)
 <223> n=A,T,C or G

<400> 275
 atatctgntg aatacggntt cctgnaaaaa ggtntnatth agatgggtga gtccgactca 60
 gcgatgcgac ttgggtgggtg tggtcantct cttatgggtg agattgttca tgatatcatg 120
 ccctgagatg cctgggactnn cctcaccgga gatcctagac ggtgntancc cctgagagtc 180
 tctctcntcc tgctctccta acttctccta atgatccctc cnattgtcta ctgtccnatt 240
 gaacccttct tgcttatgta tncaatcntt nacgggtgtcc ctgctnantt tttganacga 300
 ngctcataat ggacngggga aggatagtnt gaataatntc ctgtataccc acgccnacnt 360
 ctacnctntg atctgacacg gtatactgat ttgtgctgtt cncttcacca ttccantttc 420
 taccttccgc tcatatgctc tgtangctac accctctgtg actgctttct cagttacgtg 480
 caacaaggtn ttcatatctn gaactcttac accattctag anggatcncc cctcgganaa 540
 antttggaan aacaagcaag ancanaatnc ctctctngtg ntacacnanc cggcttncgt 600
 atcctcgtnn aaggaattcc ccgctttcct gggctttaan tctcctaaac t 651

<210> 276
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (392)
 <223> n=A,T,C or G

<400> 276
 accccccccg aattacgntg gccnatntaa aagtncatca ngcctccang caacntatcn 60


```

tttcattacc acccacactc ctgttnnggg anggangtgg naatccttca ccatnctaata 120
gtatgtggtg ctctcatgcn ggtacgtata atctanncgt cccctnaaat cggatgcttc 180
tgtaatcnnc agtcacnaaa ccacanggan caactgaaac angatttggc taacagccaa 240
tgtctggggc ctencnaatc cctnnaatat ctectacacc tgtagtanna atnaactacn 300
ctacnctatt nnacacacgn tttagggttgt annaccaagc ccntattgag tgaaatcggt 360
tntatngtat naaatgccaa aagntgcggt aa 392

```

```

<210> 277
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(212)
<223> n=A,T,C or G

```

```

<400> 277
ggtttgcggg natgaanttt gnaanaatna actttagnga taaccacccc accaatncct 60
nctnagtatt tgncaacctn aaaactacag ctctctccag atagactntn ccttntgat 120
ttcaactctc cttggactgg tcagcctgaa ggggtggaat gactcaccaa cgctactaat 180
nccttnttna ctgtgccttn attttttcgc ct 212

```

```

<210> 278
<211> 269
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(269)
<223> n=A,T,C or G

```

```

<400> 278
nnntccatcc taataccact cactatcggg ctccaancgg ccgcccgggc acgtntcttn 60
tgngacagga tctgaatnaa ggggtggttg taacttnact naaaattctg aaatgatcct 120
gcatcagaca gggttctccg tntanaatan agtttccctg ttagttatcn agcctgggca 180
ggggangana gattcgagga cntntgaaat gaaggnatta tttaggatgg gtgactcatt 240
ccnaccnttc ncgctnacca gnccganga 269

```

```

<210> 279
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(266)
<223> n=A,T,C or G

```

```

<400> 279

```

```

gttggtgant  cngtttgng  tcttctggg  gntnggtgtt  tgggtgtgtt  nnttgttgn  60
gggtngtntt  tntggagaga  gttgtagttc  gtgaggggtt  cagtgtactt  actatggagc  120
ctaaggangt  gngctaactt  anantgatna  ctttgtctcat  actgccctgc  cctnaatgcc  180
nngcttgcc  caccctgggtg  ccnaaccnna  tcgaacacct  aacagtctag  taggcttctt  240
gctntancag  actnctcttg  aggatc  266

```

```

<210> 280
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(317)
<223> n=A,T,C or G

```

```

<400> 280
aactgtgnag  gtgtntggaa  ntgntgtagg  catagncttt  ntggcacaga  gttggagccg  60
tgaggcatag  cntgtactta  ctatggagcc  taaggangga  gctaacttat  antnatnact  120
ttgctcatac  tgccctgctc  tnaatgccta  ngcttgccct  accctgntgc  cttacnntat  180
cgaacaccta  cgcgggtctat  aggcttcttg  ctctatcagg  actnctcttc  nagcttcntc  240
gcctcanttg  actcactgtg  ctcggtcggt  ctactgngat  ccagncgctc  atnaacctna  300
cttnggacgc  aggtcat  317

```

```

<210> 281
<211> 174
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(174)
<223> n=A,T,C or G

```

```

<400> 281
gnggtcatat  tatacatcta  aggcattggc  aactccacgc  cattatnaat  tccatcgtag  60
tgtccgcagt  cactacttat  aacctagatt  aatagtgcct  ggccccggac  ngtctgtgca  120
atctnccgcc  ataccaattn  cgatccnca  accncgatna  cactcctcct  tact  174

```

```

<210> 282
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(169)
<223> n=A,T,C or G

```

```

<400> 282
atcgagcgtt  gtacgatcgt  catataacgc  gcatgtgcgg  atcgcttcag  cgccgcccga  60
ctgtcagaag  gangagatct  tttttatcac  ttgtttgttt  gactatanat  aanancgact  120

```

acagcattga tgtgtgtcct caaganttgt ctgggtctga naaagctga 169

<210> 283
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(157)
 <223> n=A,T,C or G

<400> 283
 ggntntctaa gatcgagtt gtacgatcgt catatnacgc gcatgtgcgn atcgcttcac 60
 gtcgccnggc tgtccaggan atgcatntca acataatgtg cactctatat gggtattgat 120
 taatacgagn tangagcana tatcngatac aacacaa 157

<210> 284
 <211> 133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(133)
 <223> n=A,T,C or G

<400> 284
 ggngtggtgt nagatacgca ngctgggacg aatcgmntca tagtacggcg catgtgttga 60
 tcaattctga aaatccatcc cggcgcgctc ancatgcact anagggcaat cgcctatatg 120
 antcgtatta caa 133

<210> 285
 <211> 194
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(194)
 <223> n=A,T,C or G

<400> 285
 ntntgngtga tgatacccaa gctggntacc nactngantc caattaccgg ctcantntgc 60
 tngaaacngc ttcgatngnc tcttggcatg tacttgaaac aggnatanata tctaatagnn 120
 tacngtgtnn ttttcnatca tacagnttnt atattncact nctnccatt cntttctant 180
 ctctctctcc ntat 194

<210> 286
 <211> 134
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(134)
 <223> n=A,T,C or G

<400> 286
 gagggnttat gataccaagc tggtagcanc ccgtcactat nacggcccag tgtgtggatc 60
 cgctanctgg tcncgcgatg tctacncaca cgngaactgc ctctcgcnaa gatctcctct 120
 cctctccnaa gaga 134

<210> 287
 <211> 119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(119)
 <223> n=A,T,C or G

<400> 287
 tngggatatat ccagttgtac actggncata tacgcgcatt atgatcgttt cacgcccgga 60
 gtacggcatc attacganat ggnetcattc gtttaccttt ntcgctggac acaagcgtc 119

<210> 288
 <211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(170)
 <223> n=A,T,C or G

<400> 288
 gggntgagat acncaagttg gtacgagtcg gatcatatna cggncgccat tttctggaat 60
 ccgcttacgt ggtcccggcg aagtactttt tcatgccttg caaaatngcg ttactgcact 120
 ancttgctta acctatgagt ggggtctttc ataccctntc tntcatggaa 170

<210> 289
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(126)
 <223> n=A,T,C or G

<400> 289
 ggccaattgg ggcctctana tgcntgctcg aacgggcgcc aatttnatgg atatctccaa 60
 aattcggctt accntggctg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 290

<211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(126)
 <223> n=A,T,C or G

<400> 290
 ggccaattgg ggcctctana tgcntgctcg aacggggcgcc aatttnatgg atatctccaa 60
 aattcggctt accntggctg cggncnaagt acttaactca atccatctnt cactcaggat 120
 naatgc 126

<210> 291
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 291
 cacatgtgcatccagggagtcagttc 27

<210> 292
 <211> 34
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 292
 cgttagaattcatcaattcctccgaagctcaaac 34

<210> 293
 <211> 702
 <212> DNA
 <213> Homo sapiens

<400> 293
 atgcagcatc accaccatca ccaccacatg tgcattccagg ggagtcagtt caacgtcgag 60
 gtcggcgagaa gtgacaagct ttccctgcct ggctttgaga acctcacagc aggatataac 120
 aaattttctca ggccaattt tgggtggagaa cccgtacaga tagcgctgac tctggacatt 180
 gcaagtatct ctagcatttc agagagtaac atggactaca cagccaccat atacctccga 240
 cagcgctgga tggaccagcg gctggtgttt gaaggcaaca agagcttcac tctggatgcc 300
 cgcctcgtag agttcctctg ggtgccagat acttacattg tggagtccaa gaagtccttc 360
 ctccatgaag tcaactgtggg aaacaggctc atccgcctct tctccaatgg cacggtcctg 420
 tatgccctca gaatcacgac aactgttgca tgtaacatgg atctgtctaa ataccctatg 480
 gacacacaga catgcaagtt gcagctggaa agctggggct atgatggaaa tgatgtggag 540
 ttcacctggc tgagagggaa cgactctgtg cgtggactgg aacacctgcg gcttgctcag 600
 tacacatag agcggatattt caccttagtc accagatcgc agcaggagac aggaaattac 660

actagattgg tcttacagtt tgagcttcgg aggaattgat ga

702

<210> 294

<211> 232

<212> PRT

<213> Homo sapiens

<400> 294

Met Gln His His His His His His His Met Cys Ile Gln Gly Ser Gln
5 10 15

Phe Asn. Val Glu Val Gly Arg Ser Asp Lys Leu Ser Leu Pro Gly Phe
20 25 30

Glu Asn Leu Thr Ala Gly Tyr Asn Lys Phe Leu Arg Pro Asn Phe Gly
35 40 45

Gly Glu Pro Val Gln Ile Ala Leu Thr Leu Asp Ile Ala Ser Ile Ser
50 55 60

Ser Ile Ser Glu Ser Asn Met Asp Tyr Thr Ala Thr Ile Tyr Leu Arg
65 70 75 80

Gln Arg Trp Met Asp Gln Arg Leu Val Phe Glu Gly Asn Lys Ser Phe
85 90 95

Thr Leu Asp Ala Arg Leu Val Glu Phe Leu Trp Val Pro Asp Thr Tyr
100 105 110

Ile Val Glu Ser Lys Lys Ser Phe Leu His Glu Val Thr Val Gly Asn
115 120 125

Arg Leu Ile Arg Leu Phe Ser Asn Gly Thr Val Leu Tyr Ala Leu Arg
130 135 140

Ile Thr Thr Thr Val Ala Cys Asn Met Asp Leu Ser Lys Tyr Pro Met
145 150 155 160

Asp Thr Gln Thr Cys Lys Leu Gln Leu Glu Ser Trp Gly Tyr Asp Gly
165 170 175

Asn Asp Val Glu Phe Thr Trp Leu Arg Gly Asn Asp Ser Val Arg Gly
180 185 190

Leu Glu His Leu Arg Leu Ala Gln Tyr Thr Ile Glu Arg Tyr Phe Thr
195 200 205

Leu Val Thr Arg Ser Gln Gln Glu Thr Gly Asn Tyr Thr Arg Leu Val
210 215 220

Leu Gln Phe Glu Leu Arg Arg Asn
225 230

<210> 295
 <211> 204
 <212> PRT
 <213> Homo sapiens

<400> 295
 Met Val Cys Gly Gly Phe Ala Cys Ser Lys Asn Cys Leu Cys Ala Leu
 1 5 10 15
 Asn Leu Leu Tyr Thr Leu Val Ser Leu Leu Leu Ile Gly Ile Ala Ala
 20 25 30
 Trp Gly Ile Gly Phe Gly Leu Ile Ser Ser Leu Arg Val Val Gly Val
 35 40 45
 Val Ile Ala Val Gly Ile Phe Leu Phe Leu Ile Ala Leu Val Gly Leu
 50 55 60
 Ile Gly Ala Val Lys His Gln Val Leu Leu Phe Phe Tyr Met Ile
 65 70 75 80
 Ile Leu Leu Leu Val Phe Ile Val Gln Phe Ser Val Ser Cys Ala Cys
 85 90 95
 Leu Ala Leu Asn Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp
 100 105 110
 Asn Asn Thr Ala Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys
 115 120 125
 Cys Gly Phe Arg Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys
 130 135 140
 Val Lys Ser Asp His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu
 145 150 155 160
 Tyr Ala Gly Glu Val Leu Arg Phe Val Gly Gly Ile Gly Leu Phe Phe
 165 170 175
 Ser Phe Thr Glu Ile Leu Gly Val Trp Leu Thr Tyr Arg Tyr Arg Asn
 180 185 190
 Gln Lys Asp Pro Arg Ala Asn Pro Ser Ala Phe Leu
 195 200

<210> 296
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 296
 atggtttgcg ggggcttcgc gtgttccaag aactgcctgt gcgccctcaa cctgctttac 60
 accttggtta gtctgctgct aattggaatt gctgcgtggg gcattggctt cgggctgatt 120
 tccagtctcc gagtggtcgg cggtggtcatt gcagtgggca tcttcttggt cctgattgct 180
 ttagtgggtc tgattggagc tgtaaaacat catcaggtgt tgctatTTTT ttatatgatt 240
 attctgttac ttgtatttat tgttcagttt tctgtatctt gcgcttggtt agccctgaac 300
 caggagcaac agggtcagct tctggaggtt ggttgaaca atacggcaag tgctcgaaat 360
 gacatccaga gaaatctaaa ctgctgtggg ttccgaagtg ttaacccaaa tgacacctgt 420
 ctggctagct gtgttaaaag tgaccactcg tgctcgccat gtgctccaat cataggagaa 480
 tatgctggag aggttttgag atttggttgt ggcattggcc tgttcttcag ttttacagag 540
 atcctgggtg tttggctgac ctacagatac aggaaccaga aagacccccg cgcgaaatcct 600
 agtgcattcc tttga 615

<210> 297

<211> 1831
 <212> DNA
 <213> Homo sapiens

<400> 297

gccgcgcccgc	ccgcacgtgg	cagccccagg	ccccggcccc	ccaccacagt	ctgcgttgc	60
gccccgcctg	ggccaggccc	aaaggcaagg	acaaagcagc	tgtcaggga	cctccgccgg	120
agtcgaat	acgtgcagct	gccggcaacc	acagggtcca	agatggttt	cgggggcttc	180
gcgtgttcca	agaactgcct	gtgcgccctc	aacctgcttt	acaccttggt	tagtctgctg	240
ctaattggaa	ttgctgcgtg	gggcattggc	ttcgggctga	tttccagtct	ccgagtggtc	300
ggcgtgggtca	ttgcagtggg	catcttcttg	ttcctgattg	ctttagtggg	tctgattgga	360
gctgtaaaac	atcatcaggt	gttgctat	ttttatatga	ttattctggt	acttgtat	420
attgttcagt	tttctgtatc	ttgcgctt	ttagccctga	accaggagca	acagggtcag	480
cttctggagg	ttggttgga	caatacggca	agtgtctgaa	atgacatcca	gagaaatcta	540
aactgctgtg	ggttccgaag	tgtaaccca	aatgacacct	gtctggctag	ctgtgttaaa	600
agtgaccact	cgtgctcgcc	atgtgctcca	atcataggag	aatatgctgg	agaggttttg	660
agatttgttg	tgggcattgg	cctgttcttc	agttttacag	agatcctggg	tgtttggtg	720
acctacagat	acaggaacca	gaaagacccc	cgcgcgaa	ctagtgcatt	cctttgtaga	780
gaaaacaagg	aagatttcct	ttcgtattat	gatcttggtc	actttctgta	attttctggt	840
aagctccatt	tgccagttta	aggaaggaaa	cactatctgg	aaaagtacct	tattgatagt	900
ggaattatat	atttttactc	tatgtttctc	tacatgtttt	tttctttccg	ttgctgaaaa	960
atatttgaaa	cttggtgtct	ctgaagctcg	gtggcacctg	gaatttactg	tattcattgt	1020
cgggcactgt	ccactgtggc	ctttcttagc	atttttacct	gcagaaaaac	tttgtatgg	1080
accactgtgt	tggttatatg	gtgaatctga	acgtacatct	cactggtata	attatatgta	1140
gcactgtgct	gtgtagatag	ttcctactgg	aaaaagagtg	gaaatttatt	aaaatcagaa	1200
agtatgagat	cctgttatgt	taagggaat	ccaaattccc	aatttttttt	ggtcttttta	1260
ggaaagatgt	gttggtgtaa	aaagtgttag	tataaaaaatg	gataatttac	ttgtgtcttt	1320
tatgattaca	ccaatgtatt	ctagaaaatg	ttatgtctta	ggaaattgtg	gtttaatttt	1380
tgacttttac	aggtaagtgc	aaaggagaag	tggtttcatg	aaatgttcta	atgtataata	1440
acatttacct	tcagcctcca	tcagaatgga	acgagttttg	agtaatcagg	aagtatatct	1500
atatgatctt	gatattgttt	tataataatt	tgaagtctaa	aagactgcat	ttttaaacaa	1560
gttagtatta	atgcgttggc	ccacgtagca	aaaagatatt	tgattatctt	aaaaattggt	1620
aaataccgtt	ttcatgaaag	ttctcagtat	tgtaacagca	acttgtcaaa	cctaagcata	1680
tttgaatatg	atctcccata	atttgaaatt	gaaatcgat	tgtgtggctc	tgtaatttct	1740
gttaaaaaat	taaaggacag	aaacctttct	ttgtgtatgc	atgtttgaat	taaaagaaag	1800
taatggaaga	attgatcgat	gaaaaaaaaa	a			1831

<210> 298
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 298
 cactgcgcttgttttagccctgaacc 25

<210> 299
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>

<223> PCR primer

<400> 299

ccgaagaattcatcaaaaatctcaaaacctctcc

33

<210> 300

<211> 258

<212> DNA

<213> Homo sapiens

<400> 300

```
atgcagcatc accaccatca ccaccactgc gcttgtttag ccctgaacca ggagcaacag 60
ggtcagcttc tggaggttgg ttggaacaat acggcaagtg ctcgaaatga catccagaga 120
aatctaaact gctgtgggtt ccgaagtgtt aaccctaatg acacctgtct ggctagctgt 180
gttaaaagtg accactcgtg ctcgccatgt gctccaatca taggagaata tgctggagag 240
gttttgagat ttgatga 258
```

<210> 301

<211> 84

<212> PRT

<213> Homo sapiens

<400> 301

```
Met Gln His His His His His His His Cys Ala Cys Leu Ala Leu Asn
                    5                      10                      15
```

```
Gln Glu Gln Gln Gly Gln Leu Leu Glu Val Gly Trp Asn Asn Thr Ala
                    20                      25                      30
```

```
Ser Ala Arg Asn Asp Ile Gln Arg Asn Leu Asn Cys Cys Gly Phe Arg
                    35                      40                      45
```

```
Ser Val Asn Pro Asn Asp Thr Cys Leu Ala Ser Cys Val Lys Ser Asp
                    50                      55                      60
```

```
His Ser Cys Ser Pro Cys Ala Pro Ile Ile Gly Glu Tyr Ala Gly Glu
                    65                      70                      75                      80
```

Val Leu Arg Phe